

Appendix D

Figures 4-1

Through

Figures 4-24

Figure 4-1. Hydrologic model grid for present.

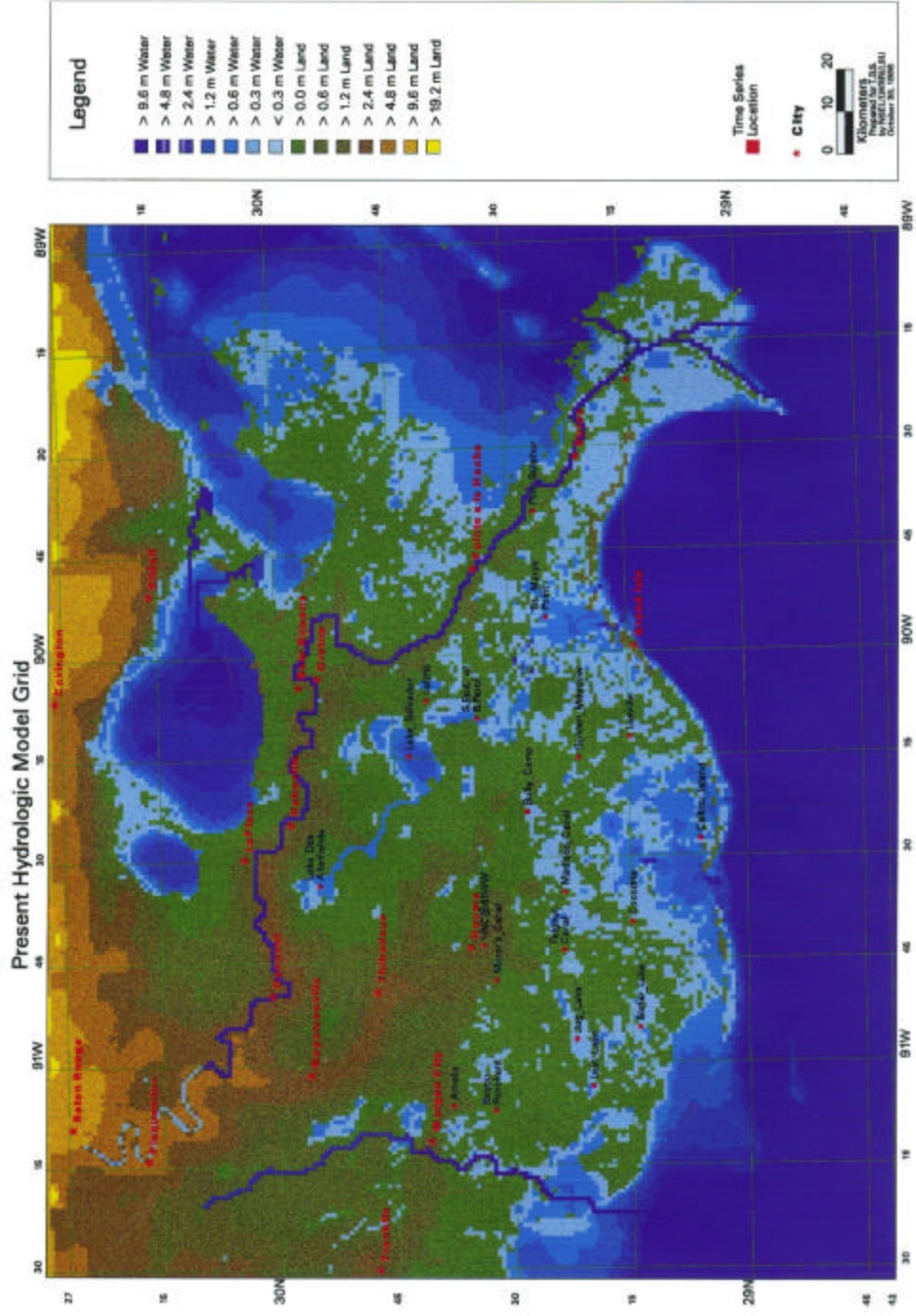


Figure 4-2. Hydrologic model grid for year 30.

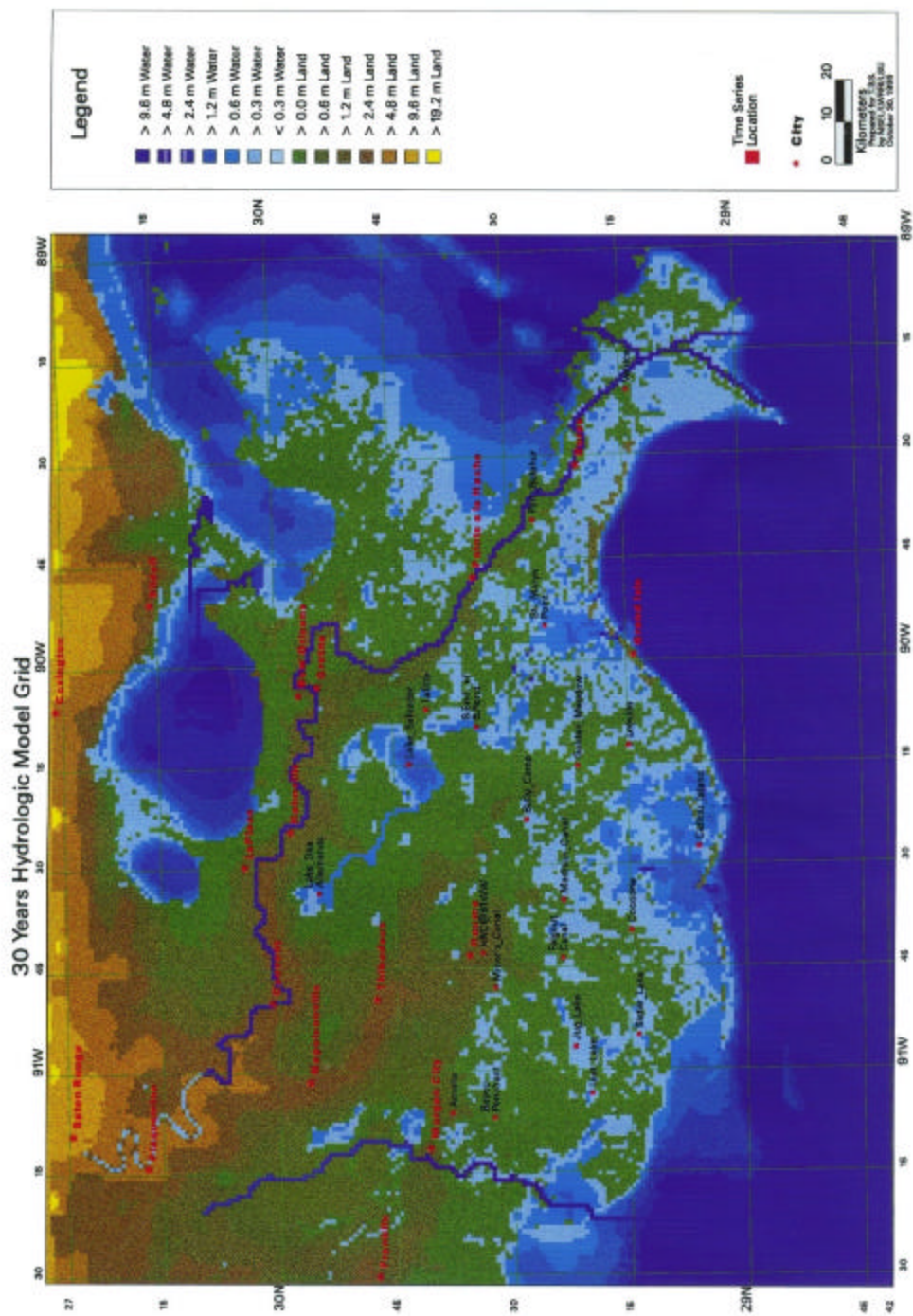


Figure 4-3. Hydrologic model grid for year 100.

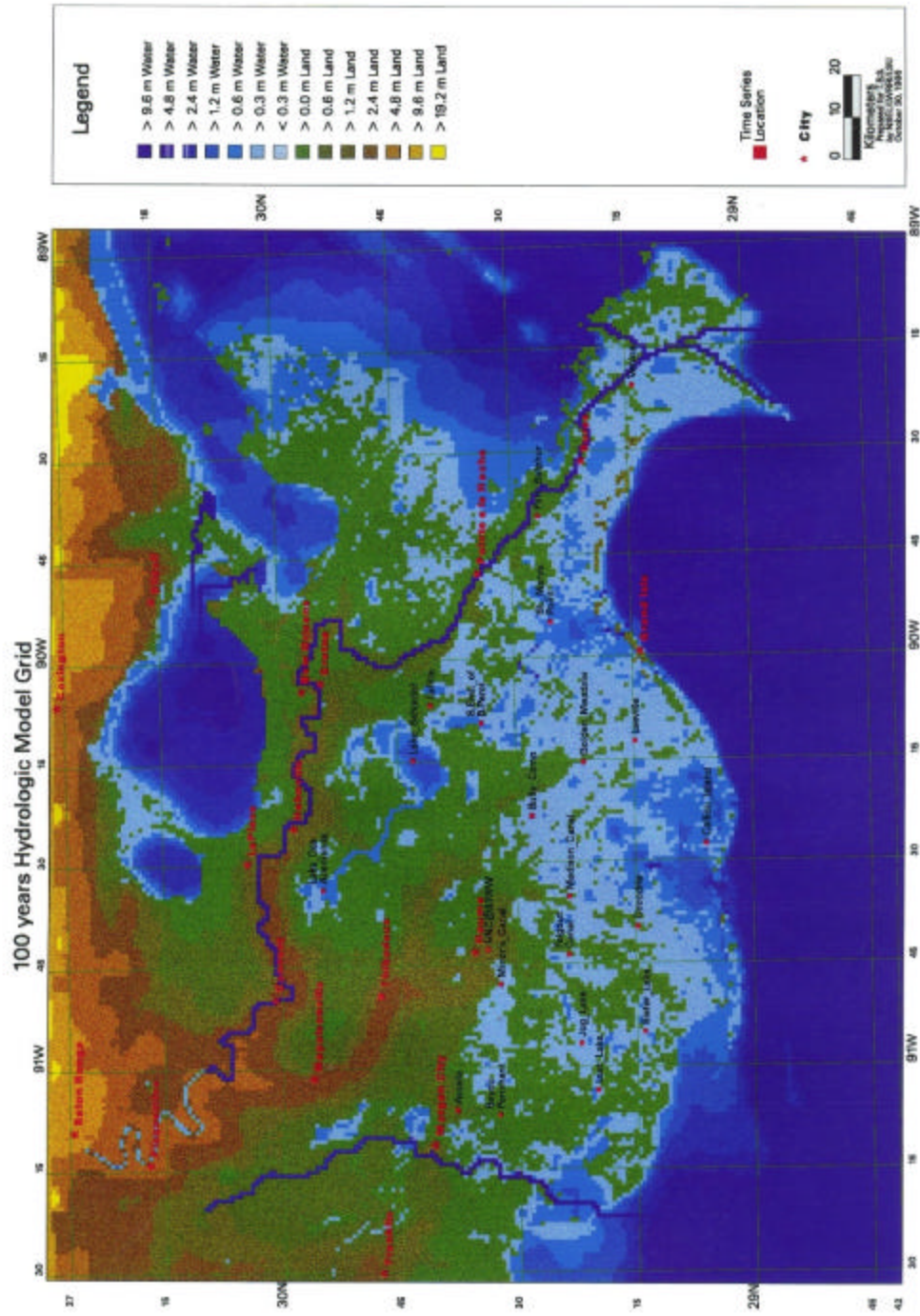


Figure 4-4. Comparison of observed and predicted maximum surge elevations for Hurricane Andrew.

Calibration for Maximum Surge

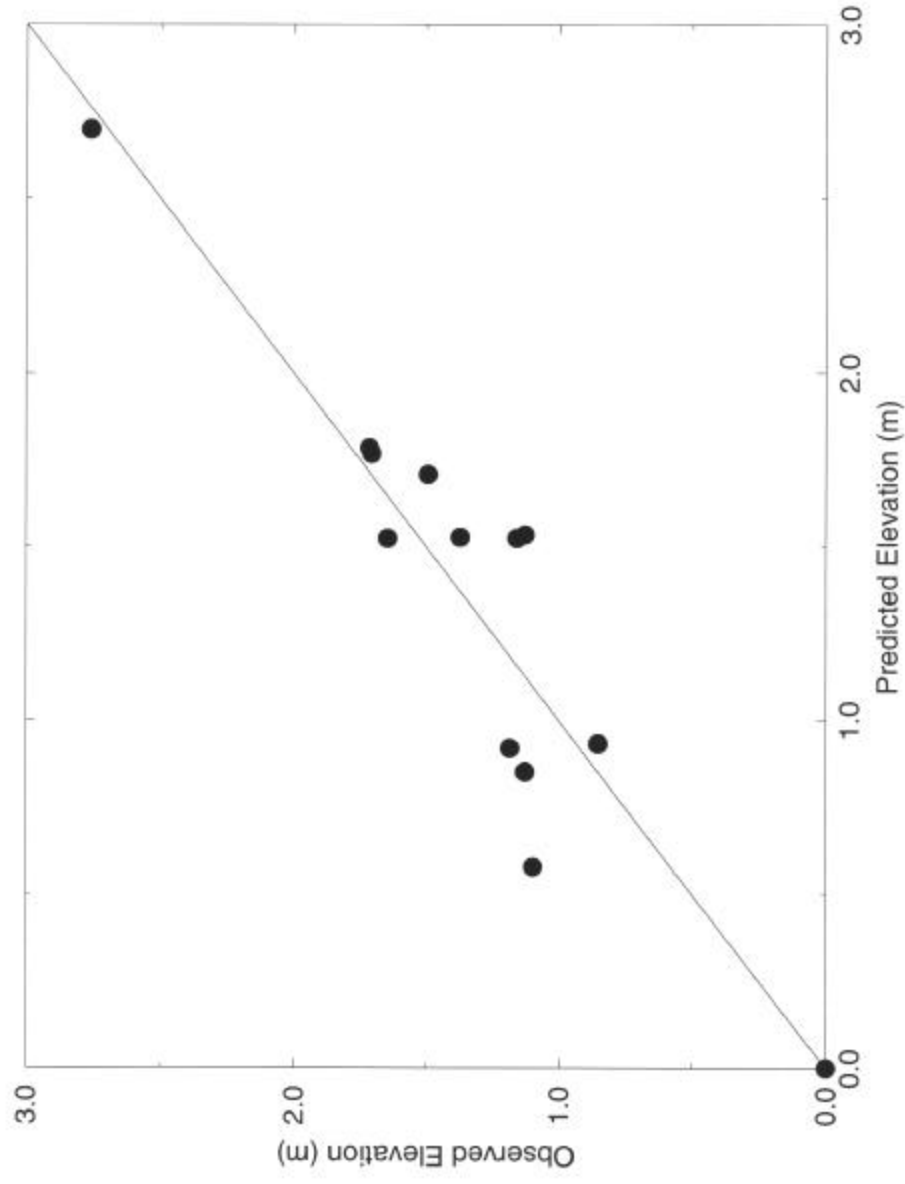


Figure 4-5. Maximum Water Level Elevation (Present, No-Action, Track 1)

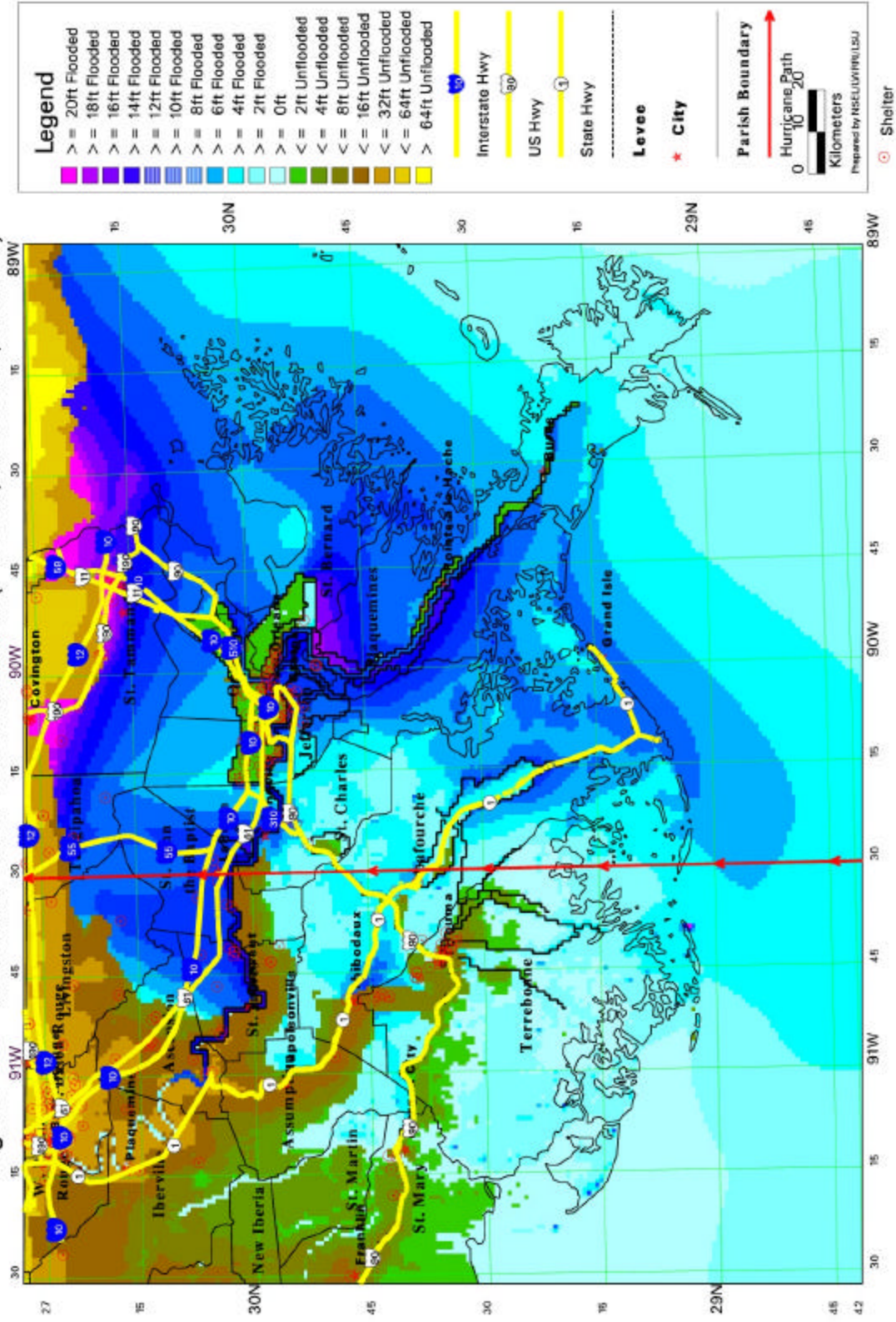


Figure 4-6. Maximum Water Level Elevation (Present, No-Action, Track 2)

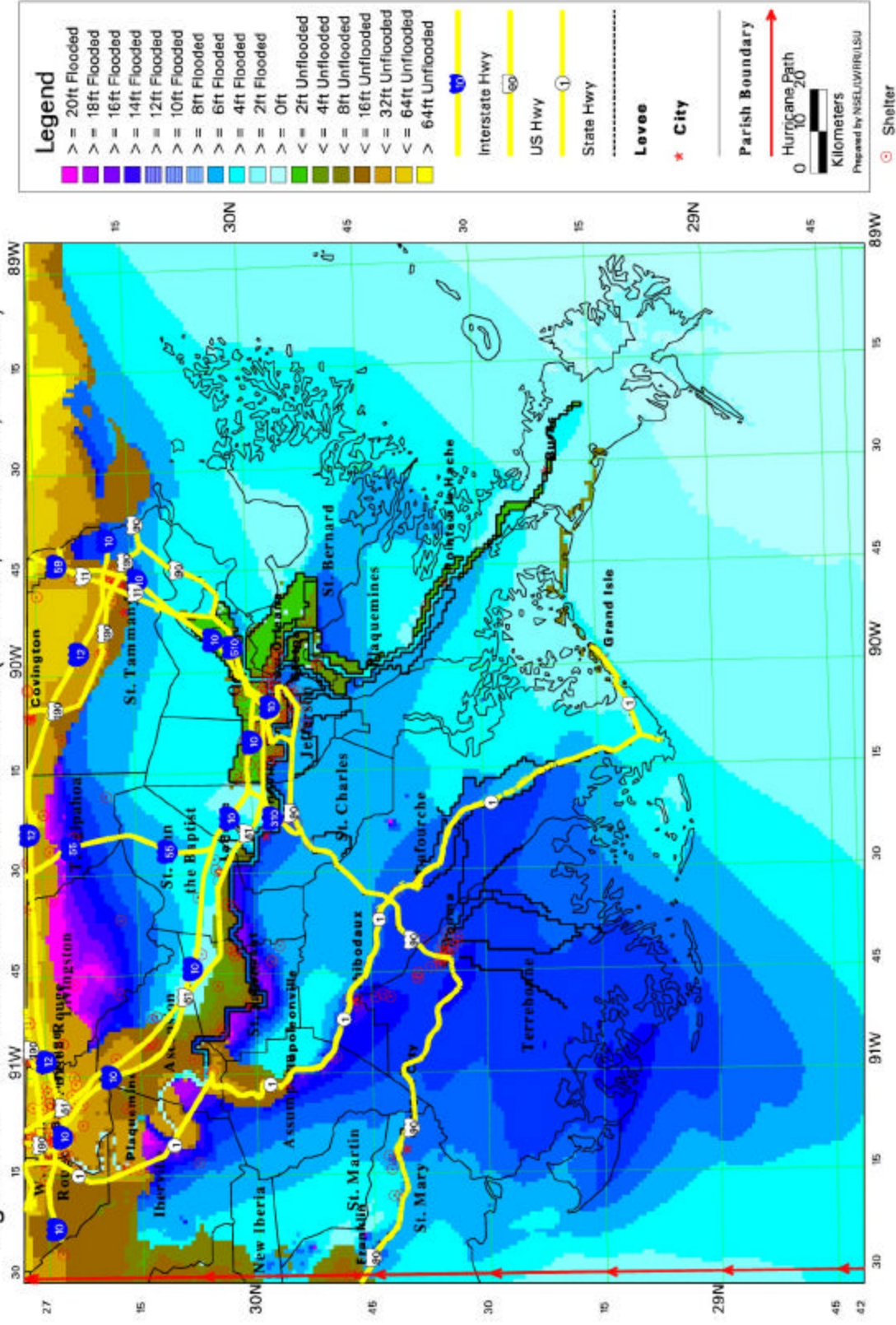


Figure 4-7. Maximum Water Level Elevation (30-Year, No-Action, Track 1)

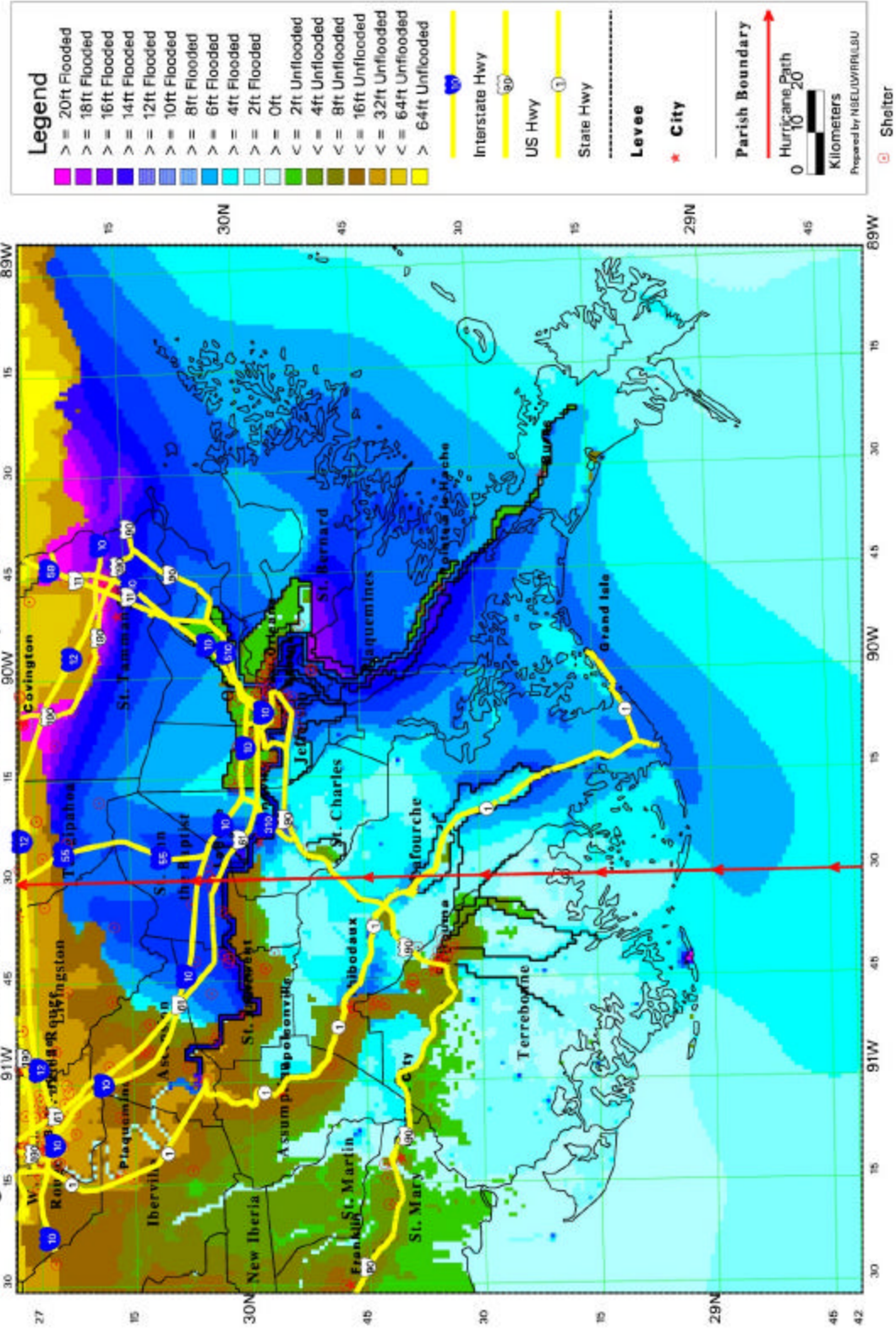


Figure 4-8. Maximum Water Level Elevation (30-Year, No-Action, Track 2)

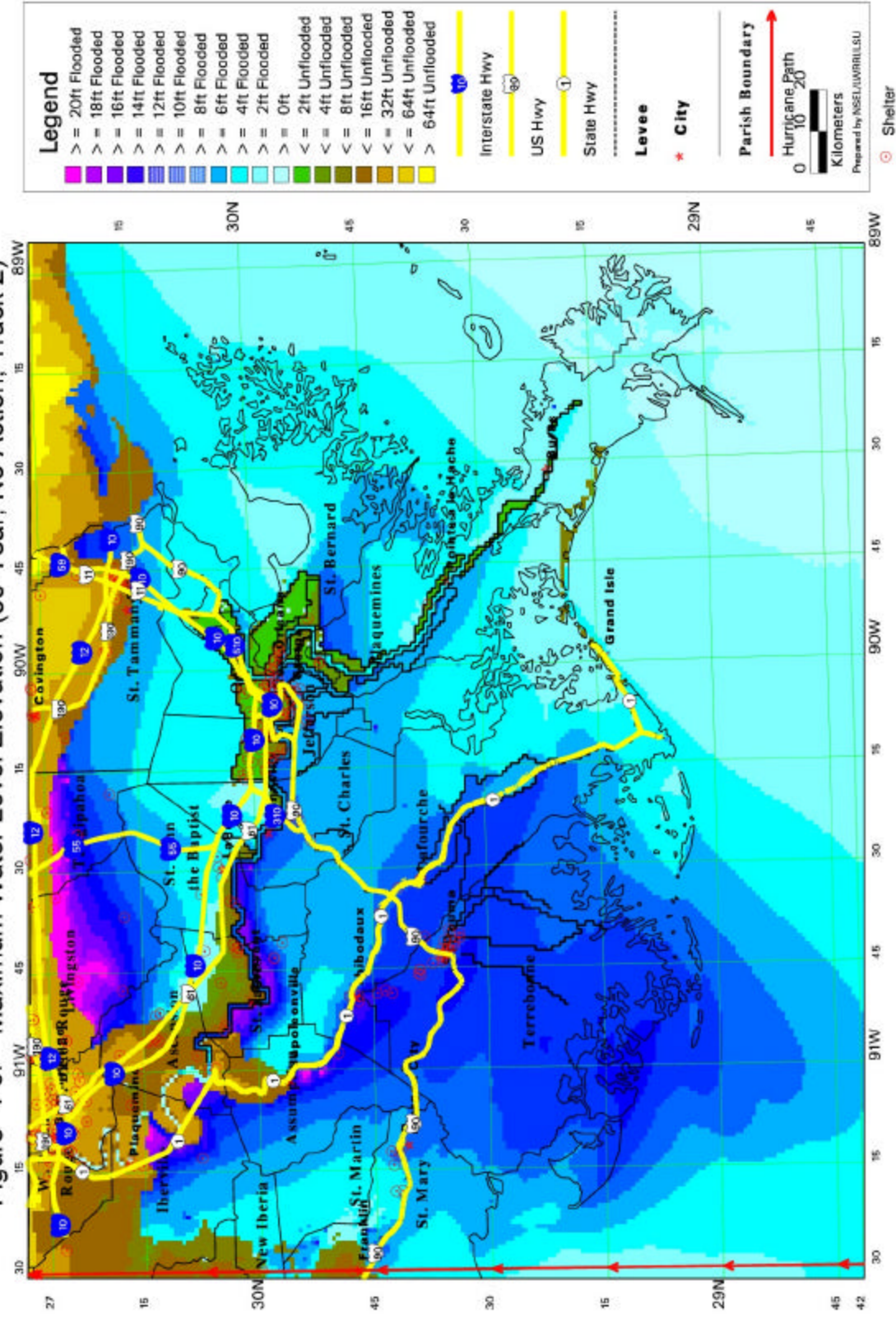


Figure 4-9. Maximum Water Level Elevation (100-Year, No-Action, Track 1)

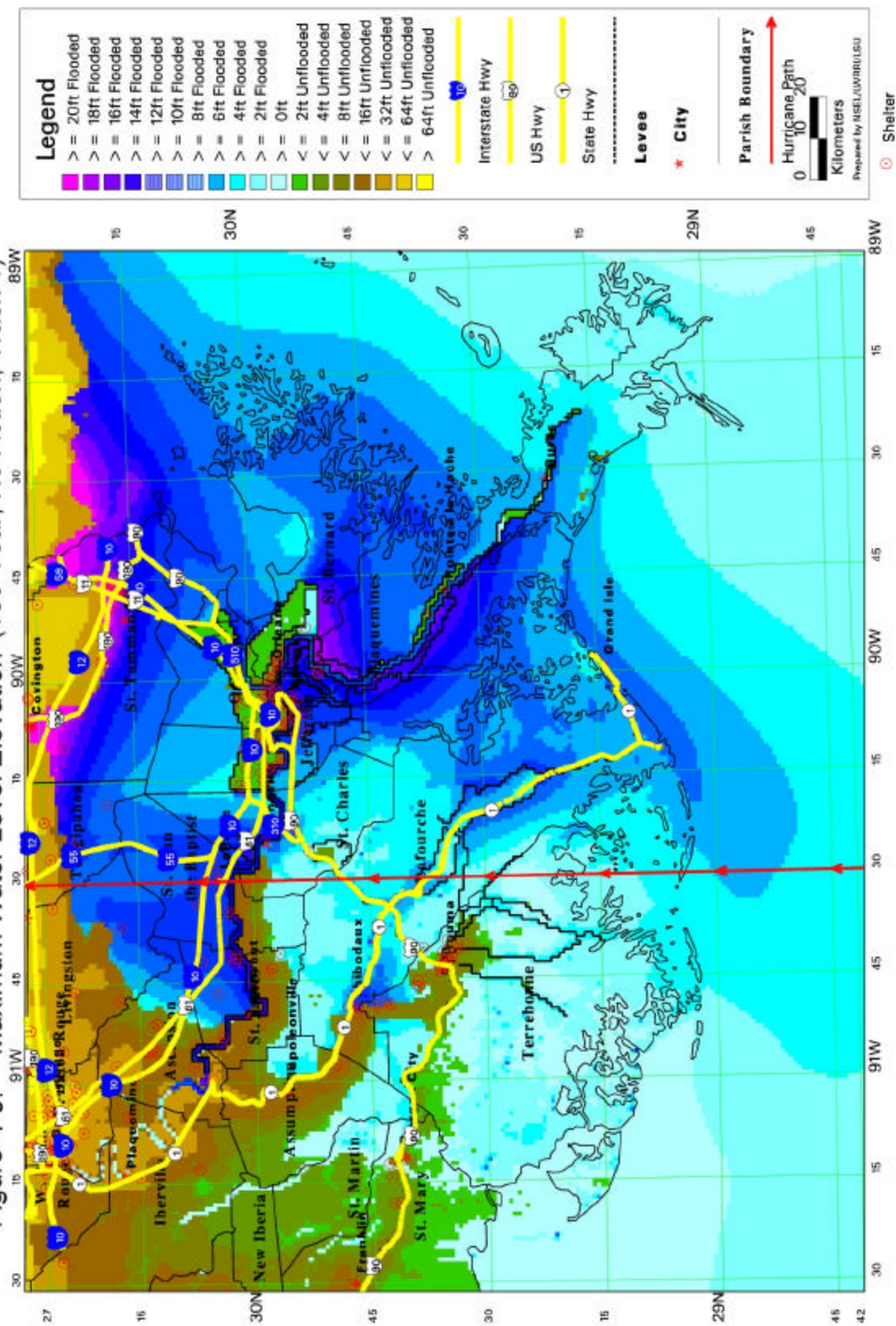


Figure 4-10. Maximum Water Level Elevation (100-Year, No-Action, Track 2)

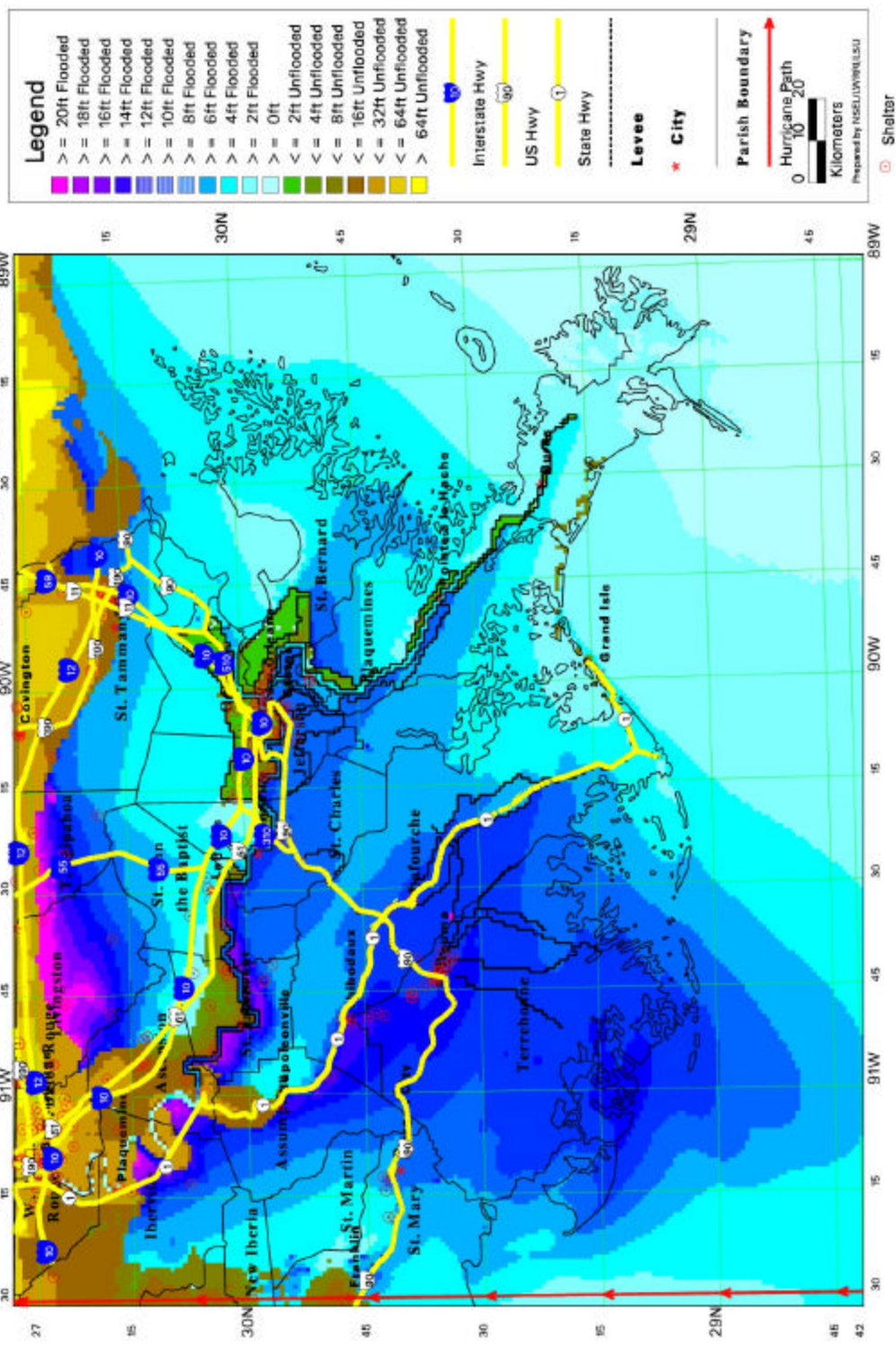


Figure 4-11a. Time Series of Flood Elevation at Leeville for Track 1 Hurricane (Present Conditions)
at grid point (129, 138) --- Leeville

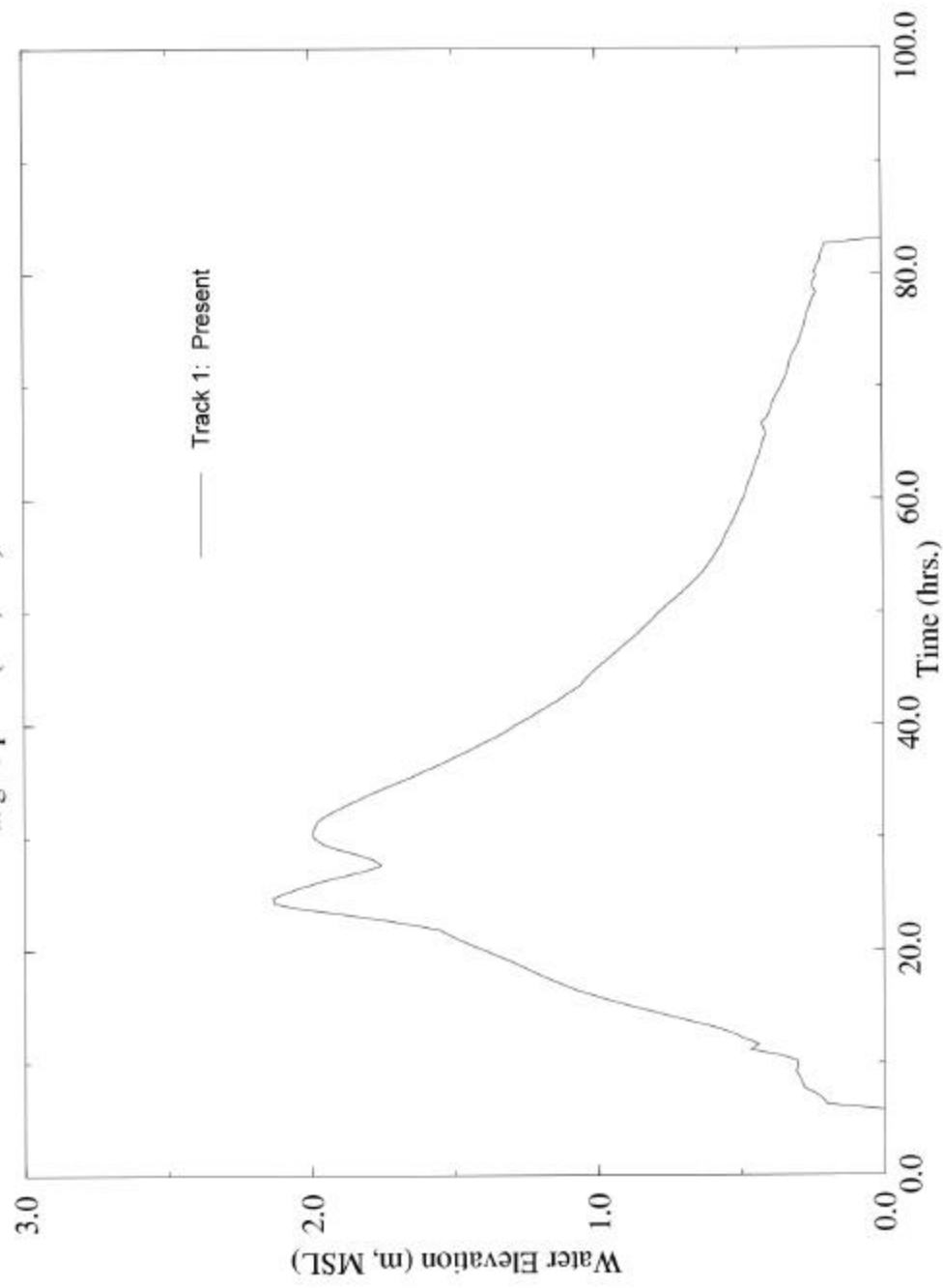


Figure 4-11b. Time Series of Flood Elevation at Leeville for Track 1 Hurricane (30-Year)
at grid point (129, 138) — Leeville

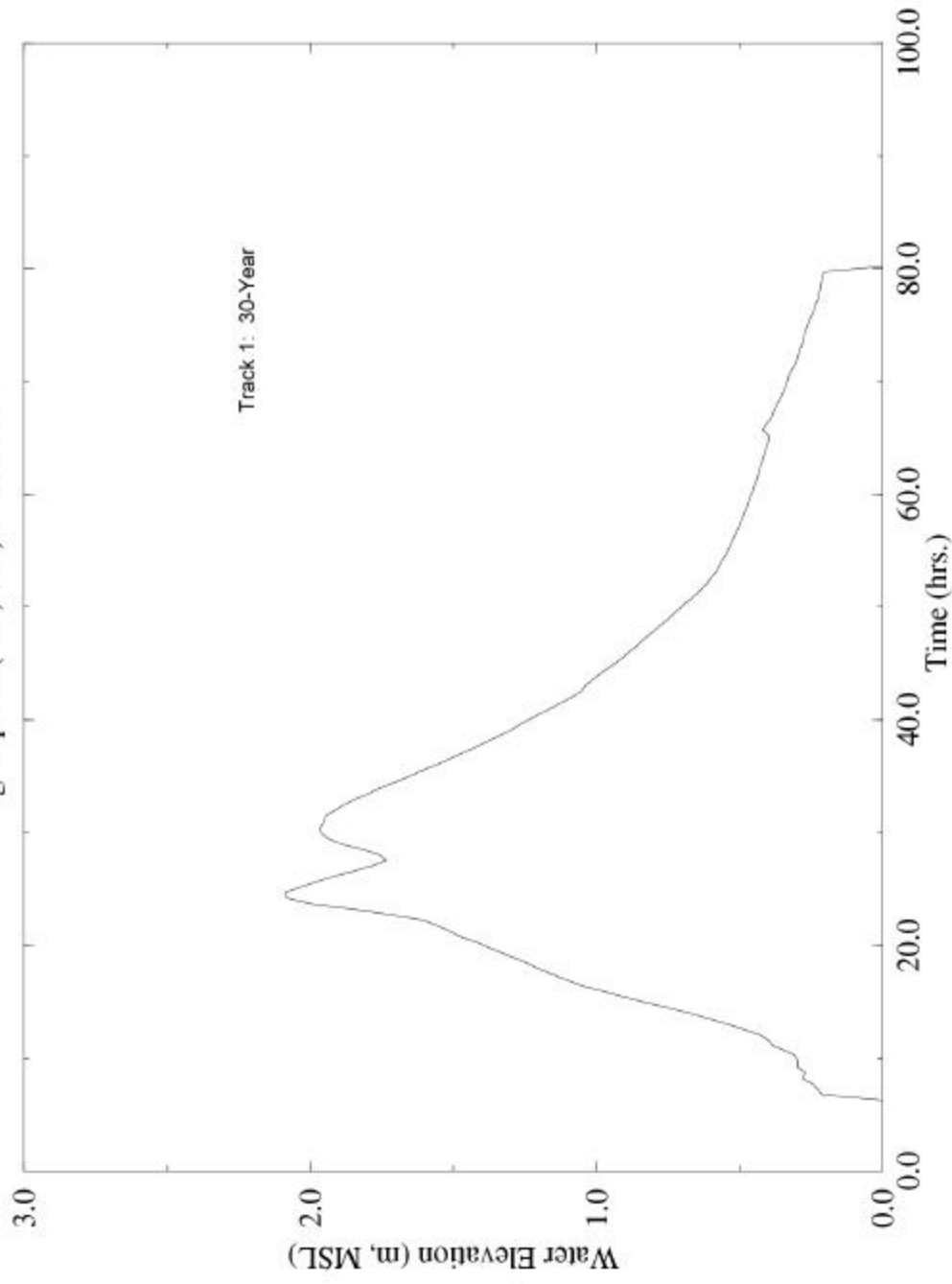


Figure 4-11c. Time Series of Flood Elevation at Leeville for Track 1 Hurricane (100-Year)
at grid point (129, 138) -- Leeville

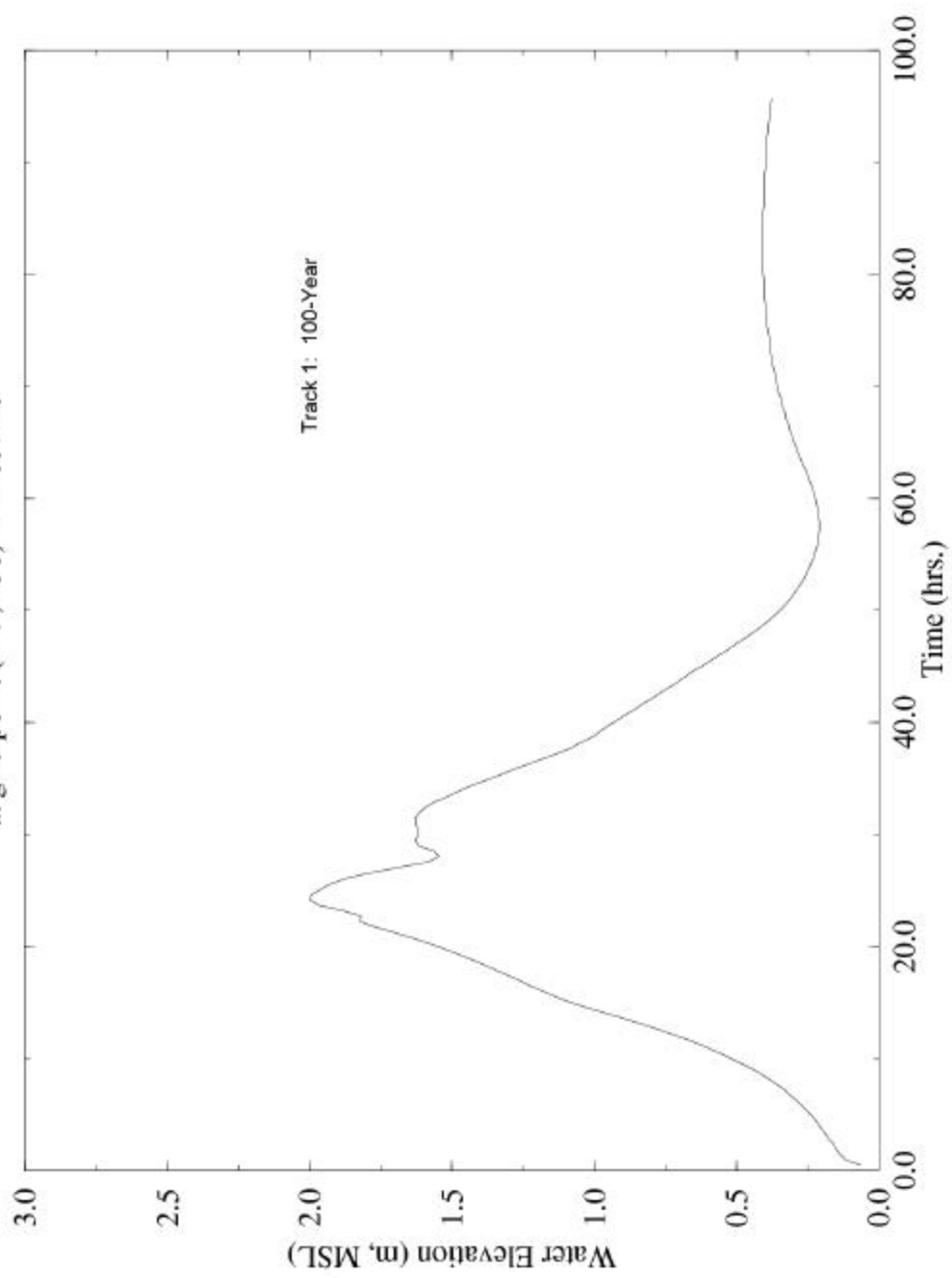


Figure 4-12a. Time Series of Flood Elevation at Leeville for Track 2 Hurricane (Present Conditions)
at grid point (129, 138) — Leeville

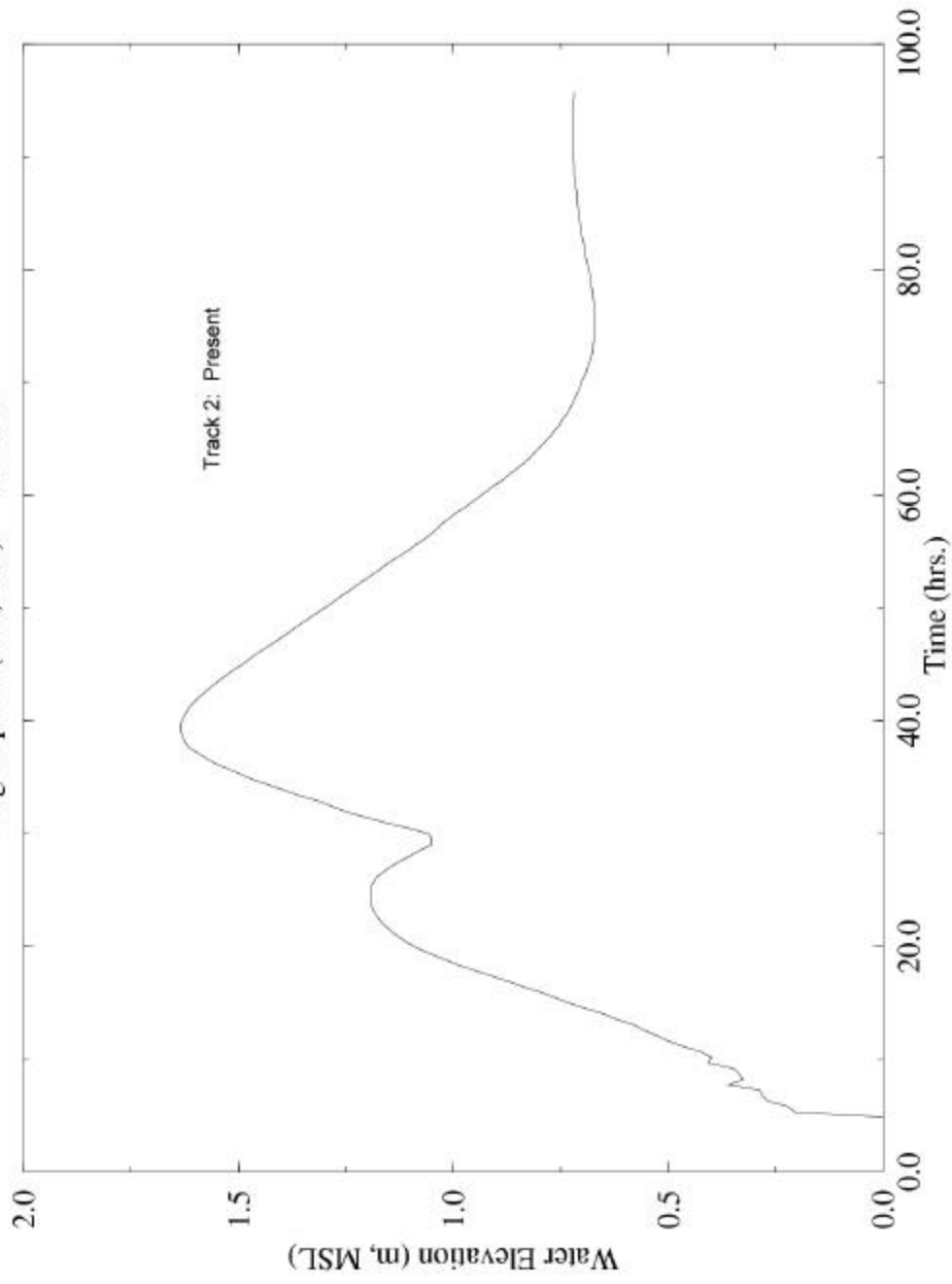


Figure 4-12b. Time Series of Flood Elevation at Leeville for Track 2 Hurricane (30-Year)
at grid point (129, 138) --- Leeville

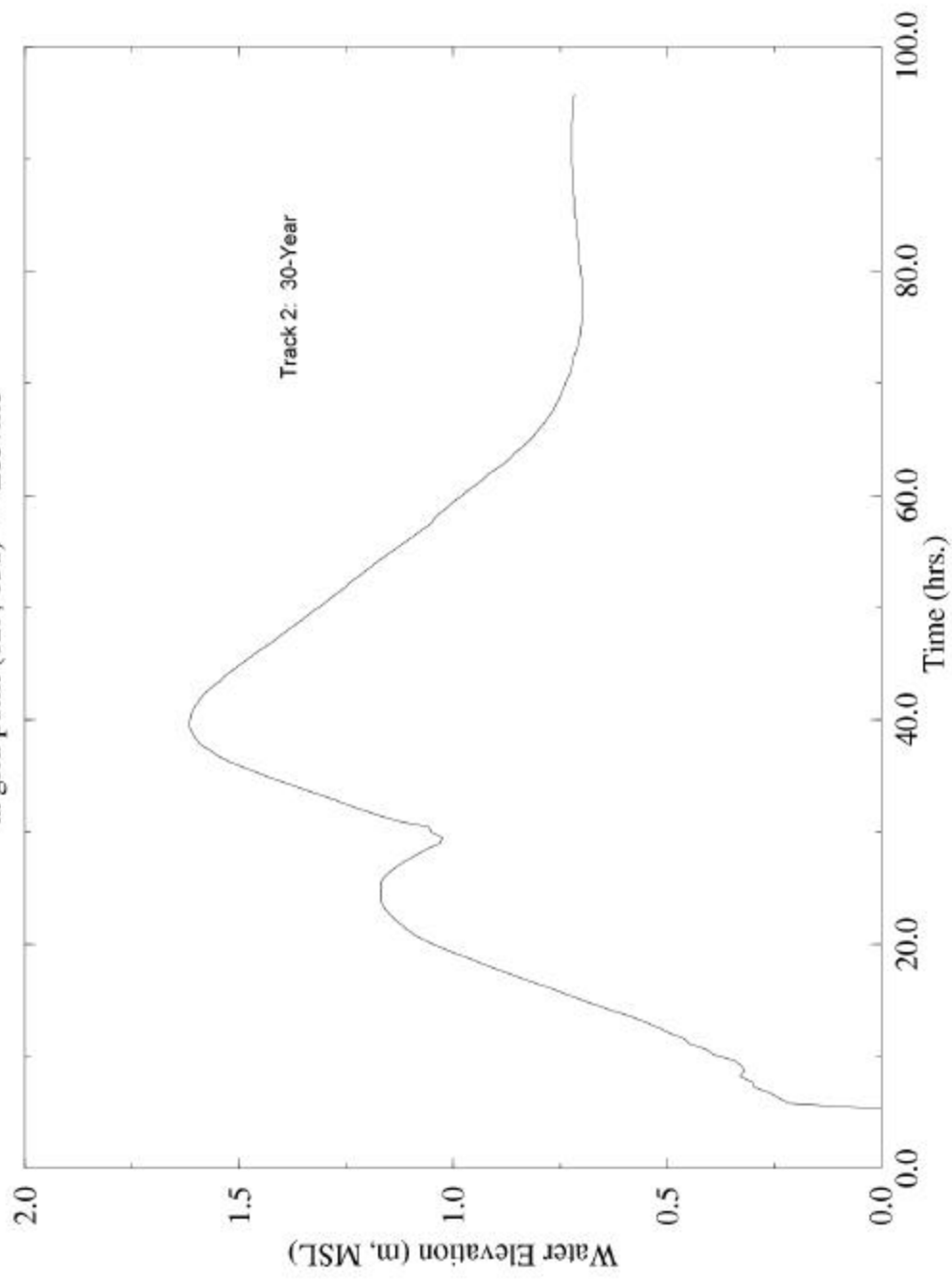


Figure 4-12c. Time Series of Flood Elevation at Leeville for Track 2 Hurricane (100-Year)
at grid point (129, 138) — Leeville

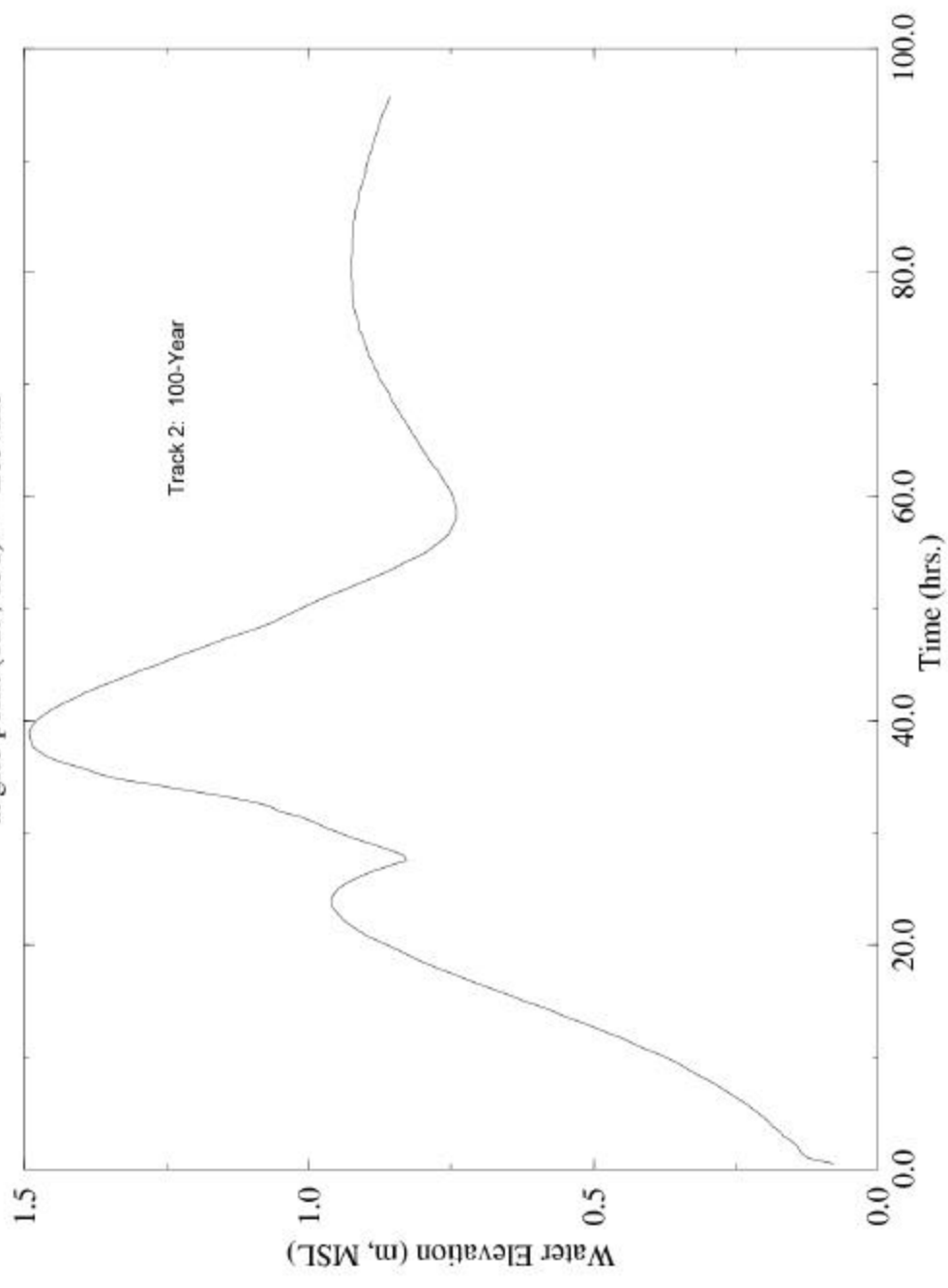


Figure 4-13a. Time Series of Flood Elevation at Cocodrie for Track 1 Hurricane (Present Conditions)
at grid point (85, 139) --- Cocodrie

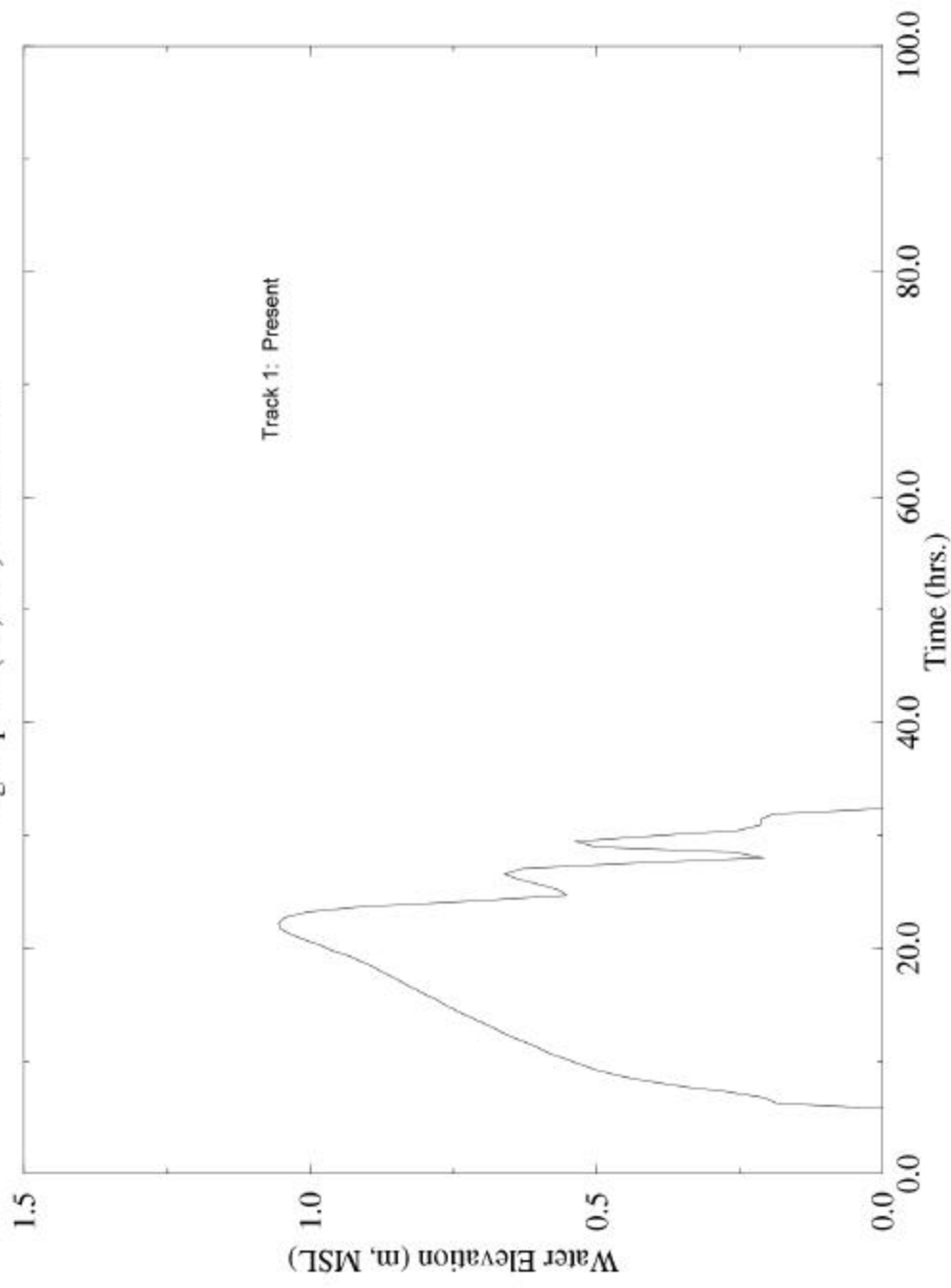


Figure 4-13b. Time Series of Flood Elevation at Cocodrie for Track 1 Hurricane (30-Year)
at grid point (85, 139) — Cocodrie

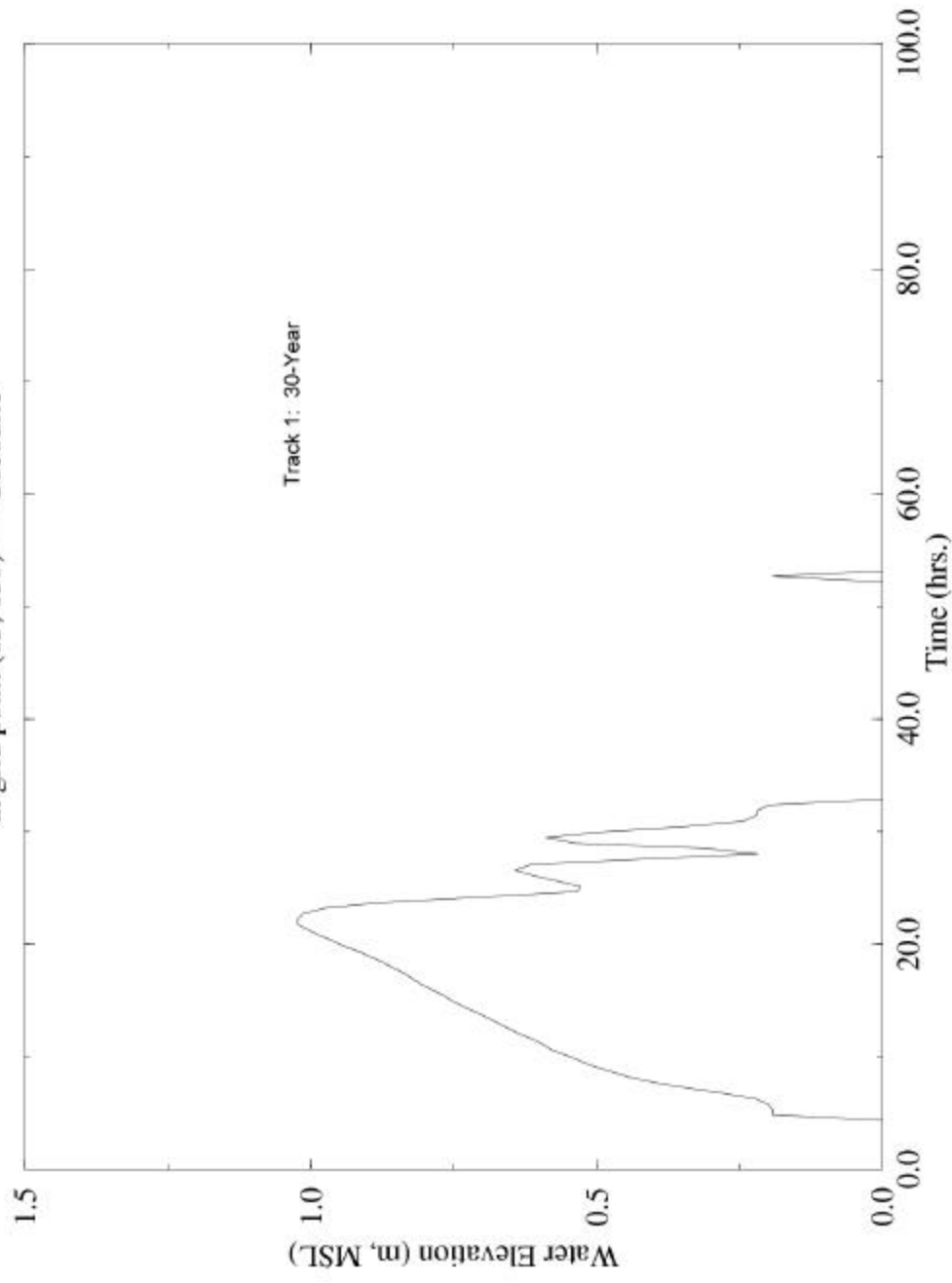


Figure 4-13c. Time Series Flood Elevations at Cocodrie for Track 1 Hurricane (100-Year)
at grid point (85, 139) --- Cocodrie

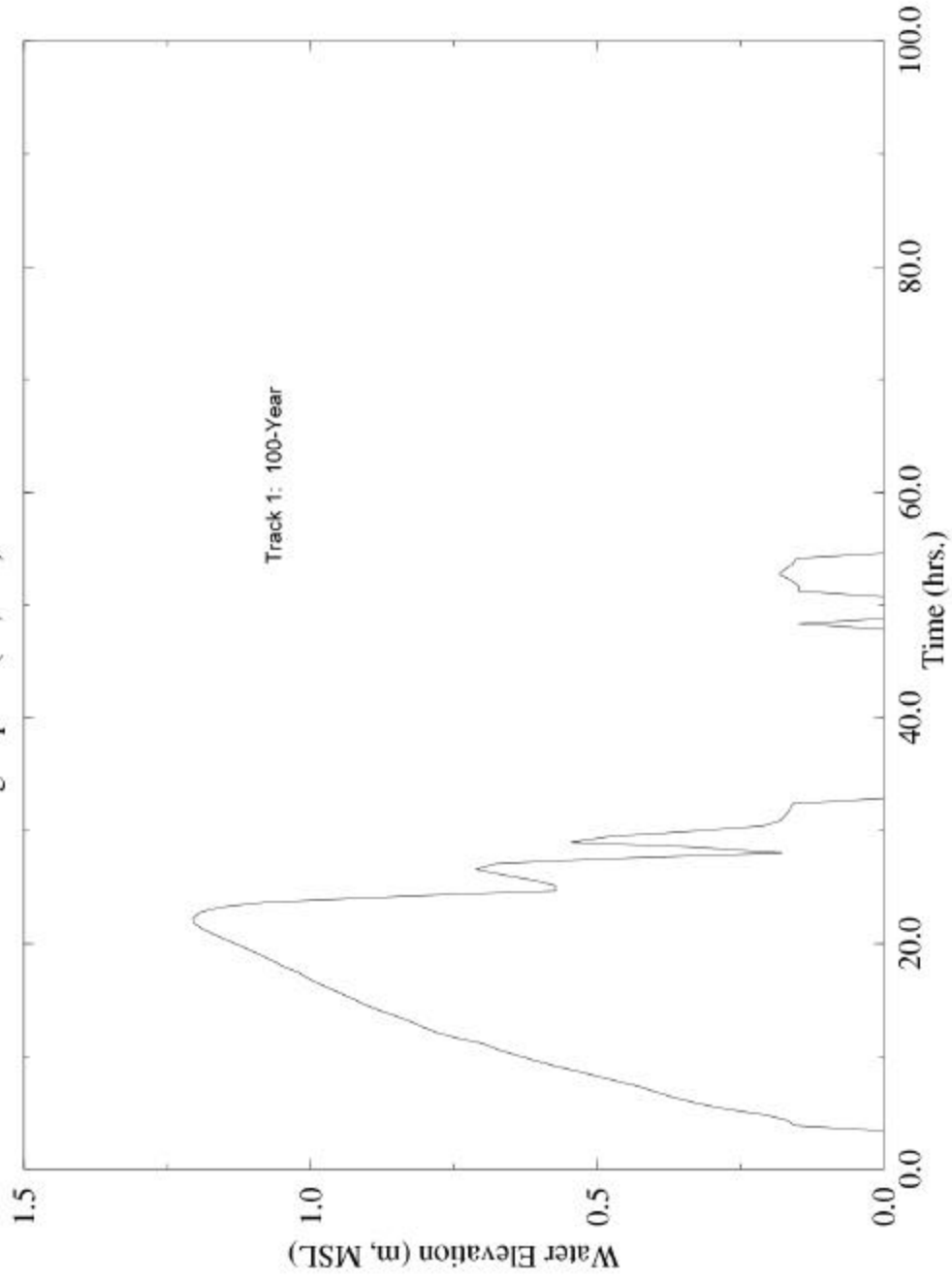


Figure 4-14a. Time Series Flood Elevations at Cocodrie for Track 2 Hurricane (Present Conditions)
at grid point (85, 139) --- Cocodrie

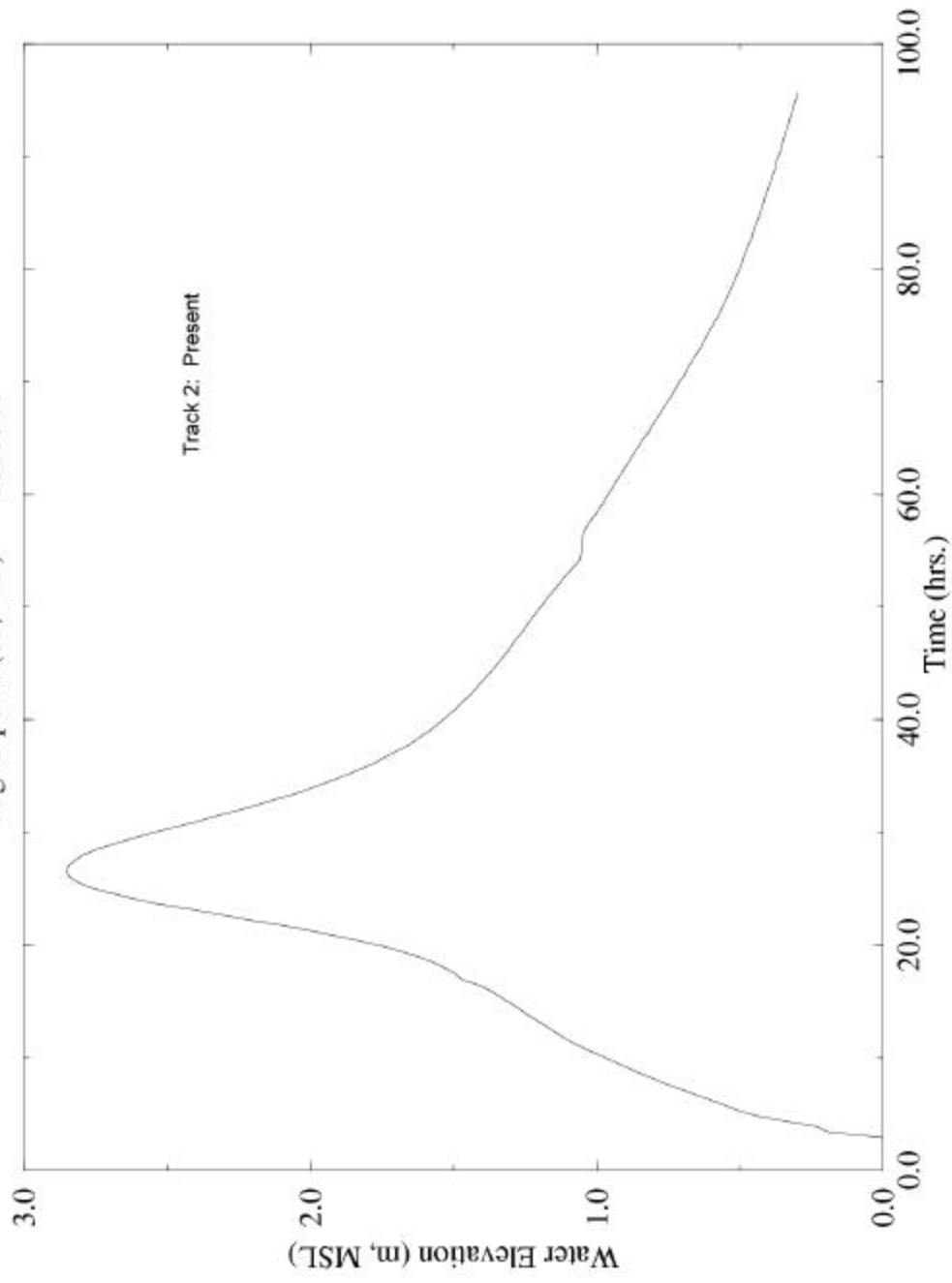


Figure 4-14b. Time Series of Flood Elevation at Cocodrie for Track 2 Hurricane (30-Year)
at grid point (85, 139) --- Cocodrie

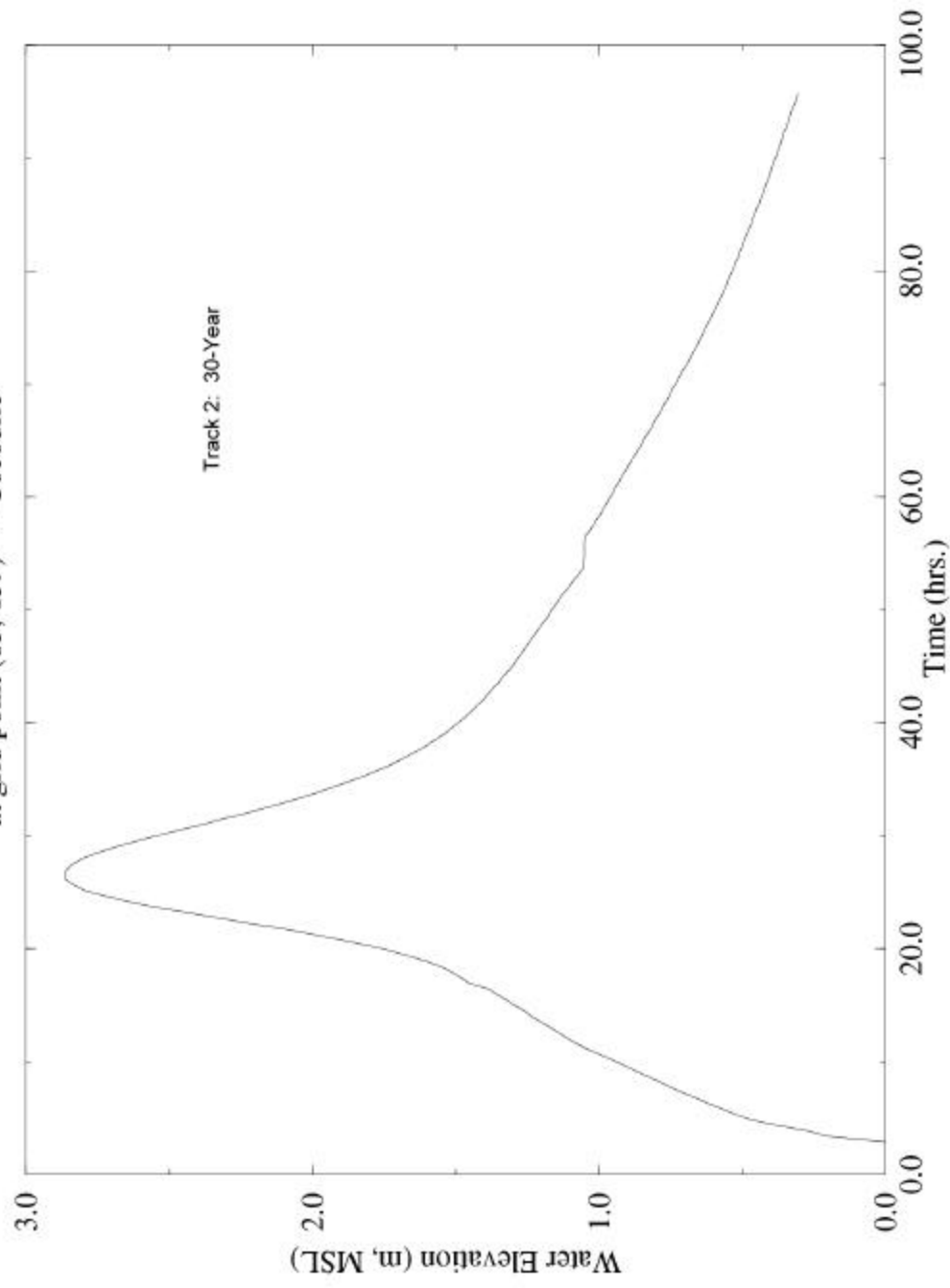


Figure 4-14c. Time Series of Flood Elevation at Cocodrie for Track 2 Hurricane (100-Year)
at grid point (85, 139) --- Cocodrie

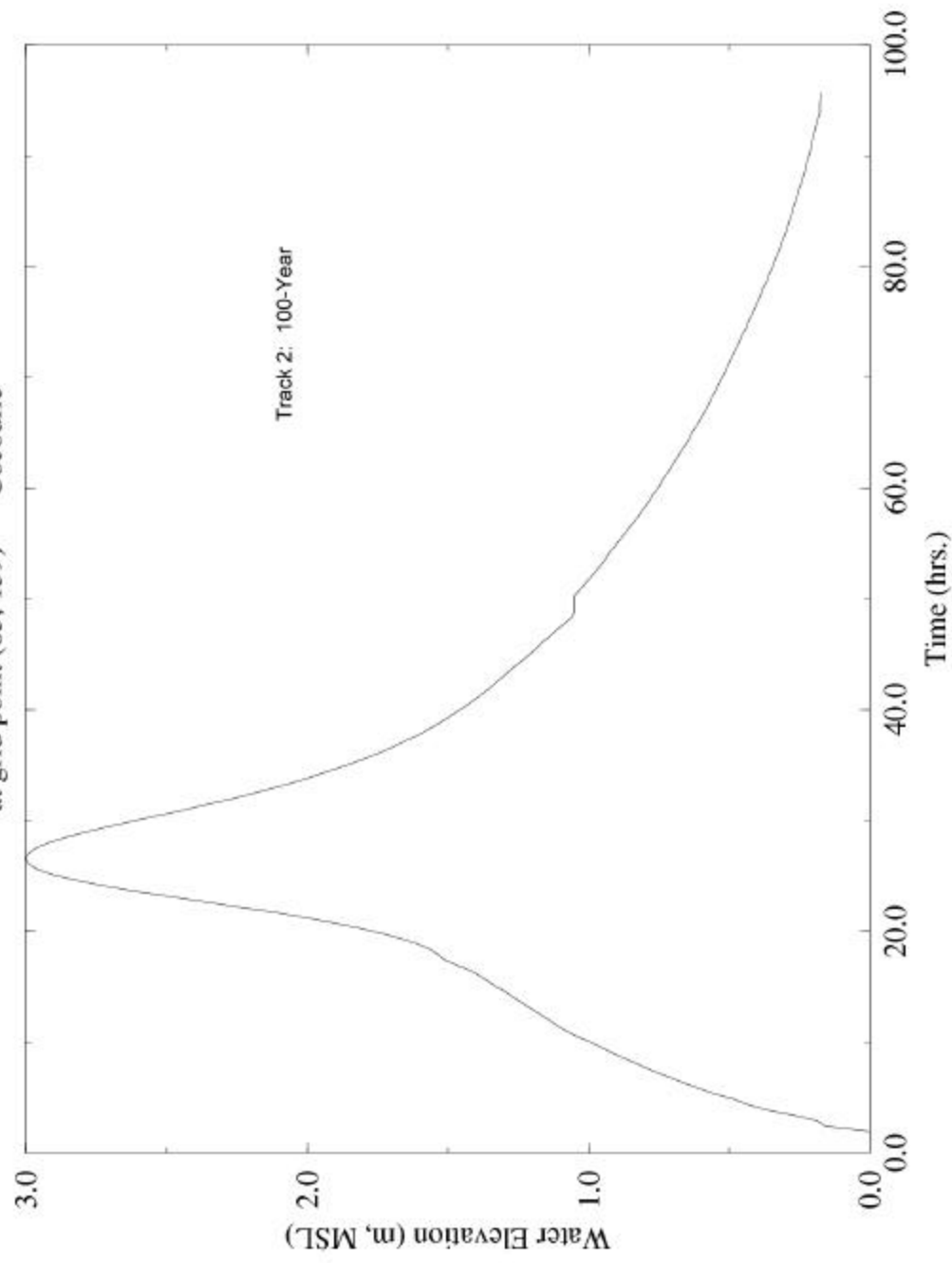
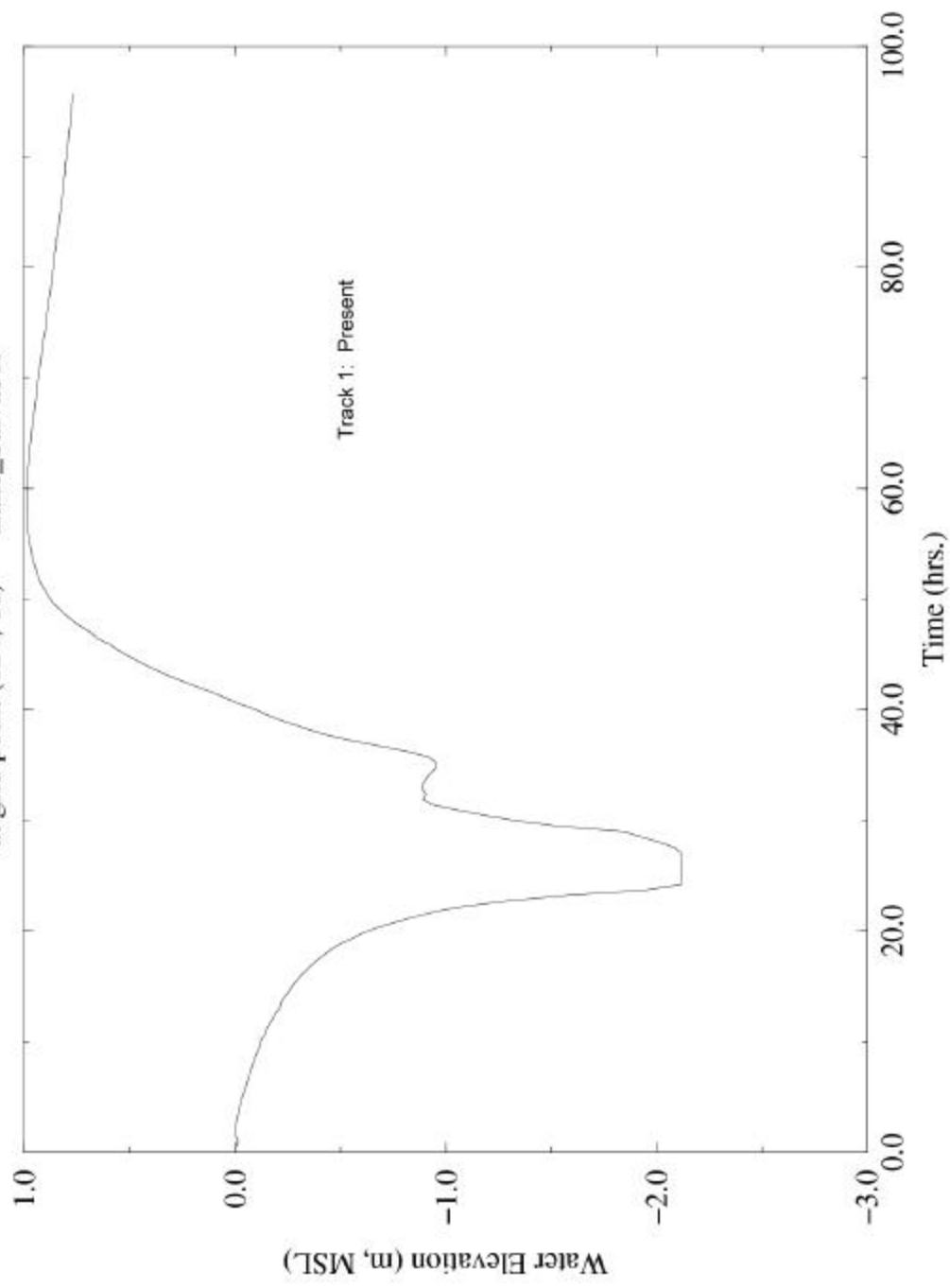


Figure 4-15a. Time Series of Flood Elevation at Lake Salvador for Track 1 Hurricane (Present Conditions)
at grid point (124, 86) --- Lake_Salvador



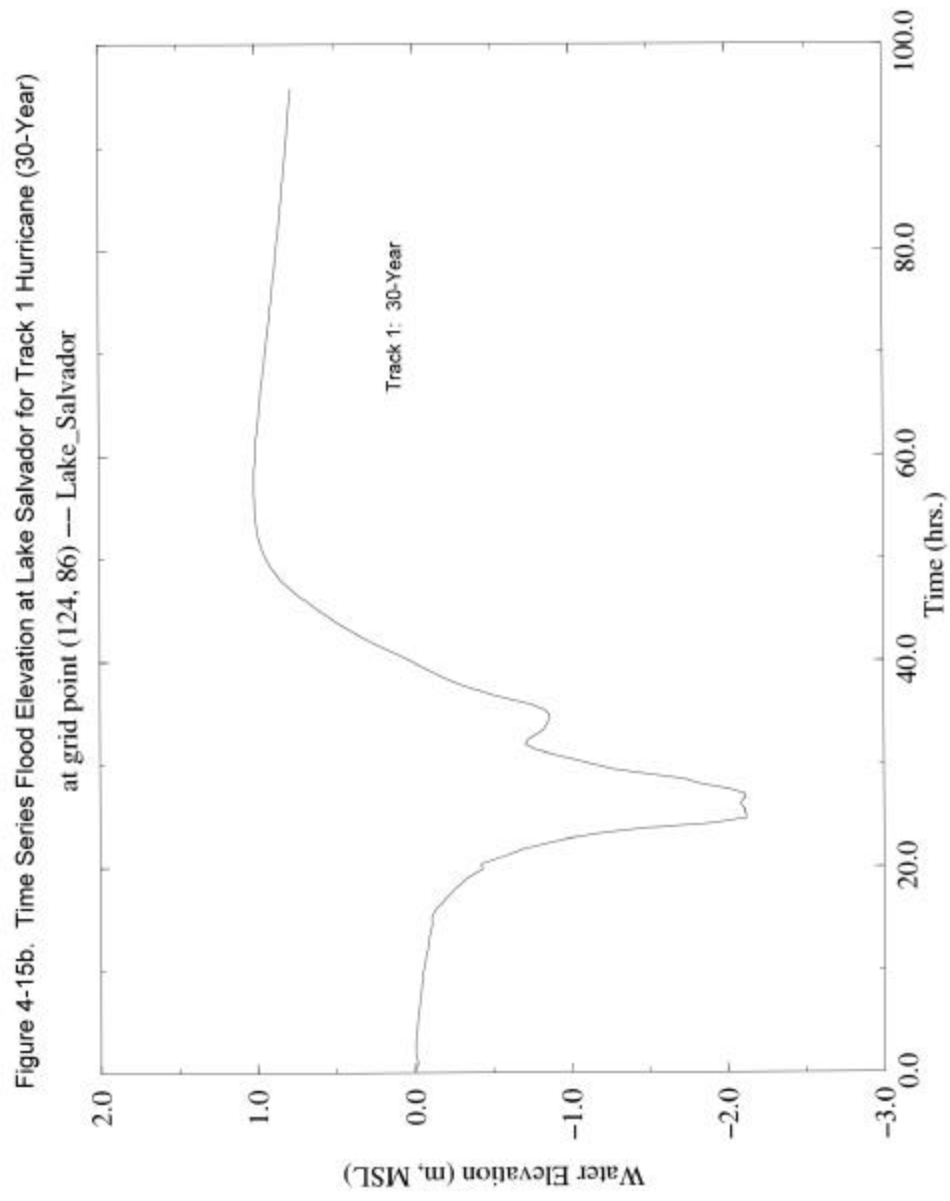


Figure 4-15c. Time Series Flood Elevation at Lake Salvador for Track 1 Hurricane (100-Year)
at grid point (124, 86) --- Lake_Salvador

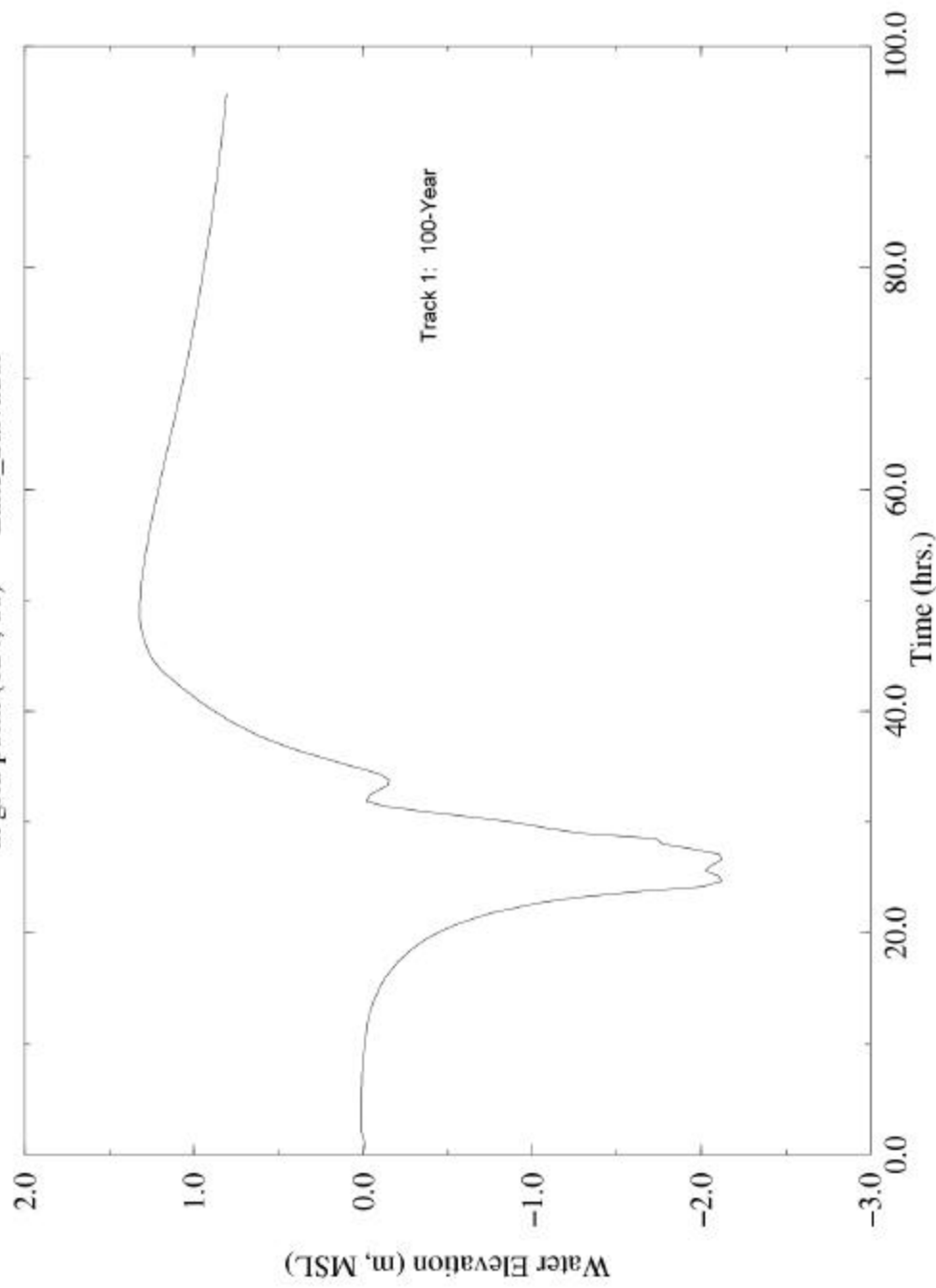


Figure 4-16a. Time Series Flood Elevation at Lake Salvador for Track 2 Hurricane (Present Conditions)
at grid point (124, 86) --- Lake_Salvador

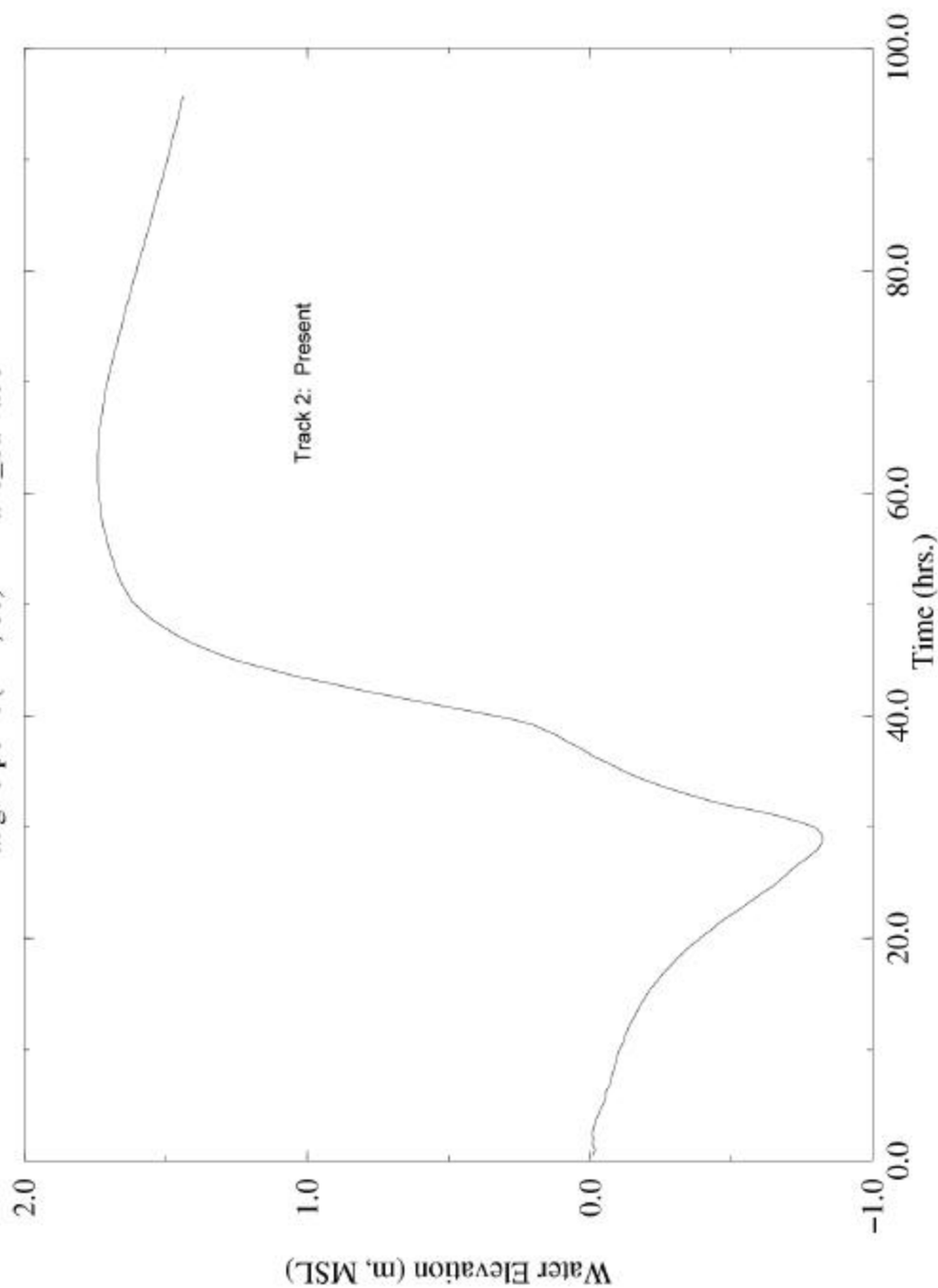


Figure 4-16b. Time Series Flood Elevation at Lake Salvador for Track 2 Hurricane (30-Year)
at grid point (124, 86) — Lake_Salvador

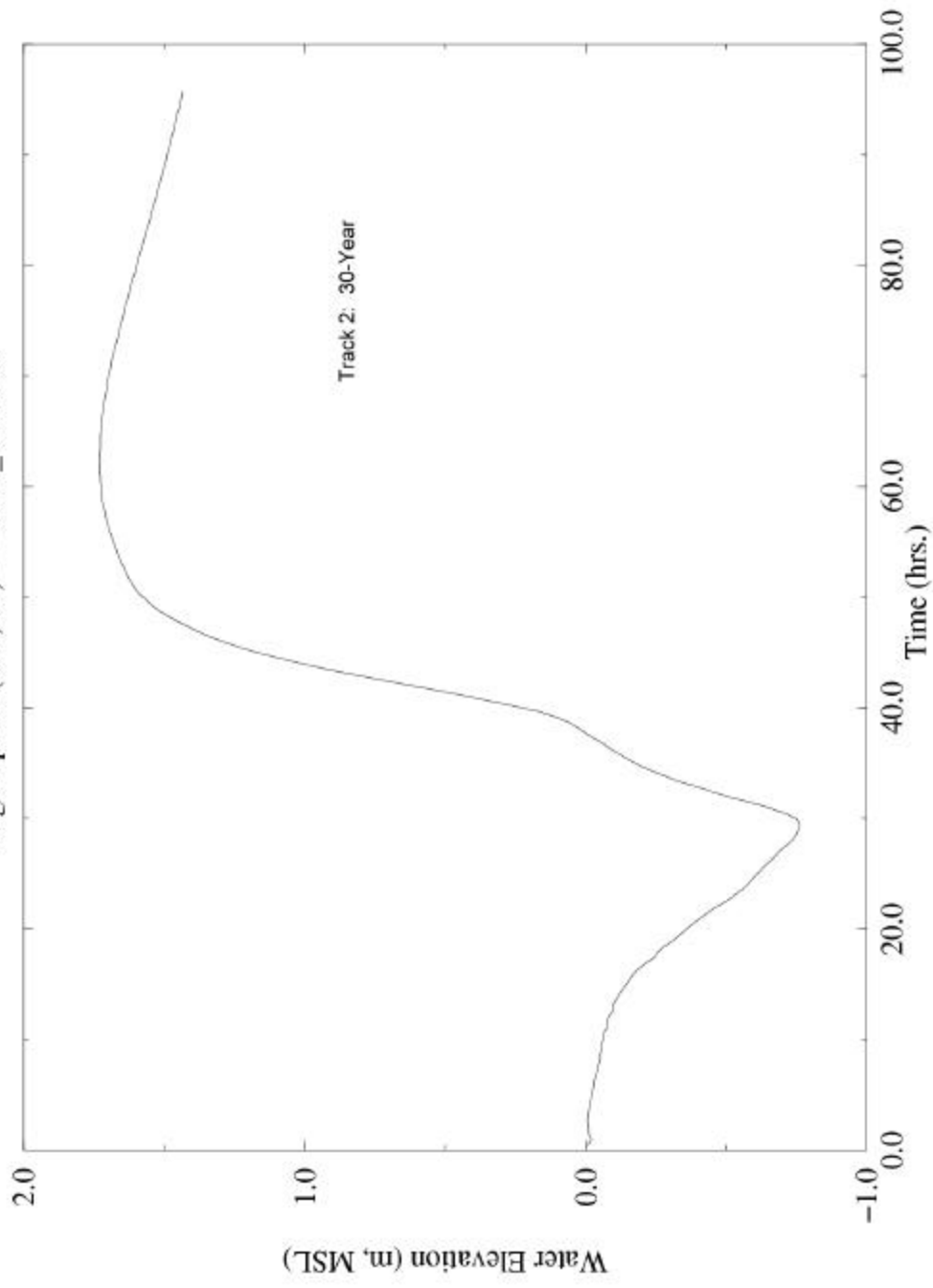


Figure 4-16c. Time Series Flood Elevation at Lake Salvador for Track 2 Hurricane (100-Year)
at grid point (124, 86) — Lake_Salvador

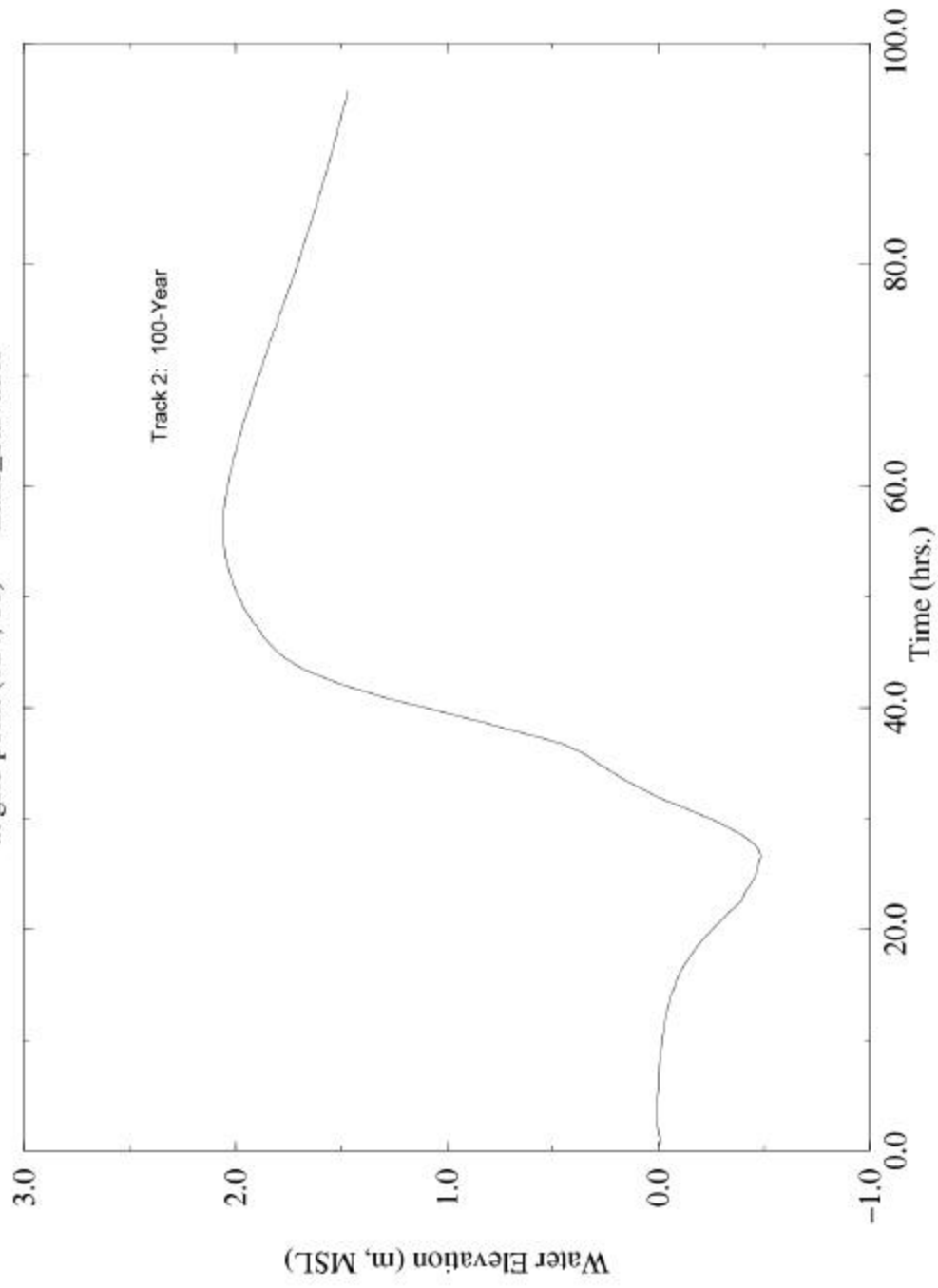


Figure 4-17a. Time Series Flood Elevation at Venice for Track 1 Hurricane (Present Conditions)
at grid point (213, 137) --- Venice

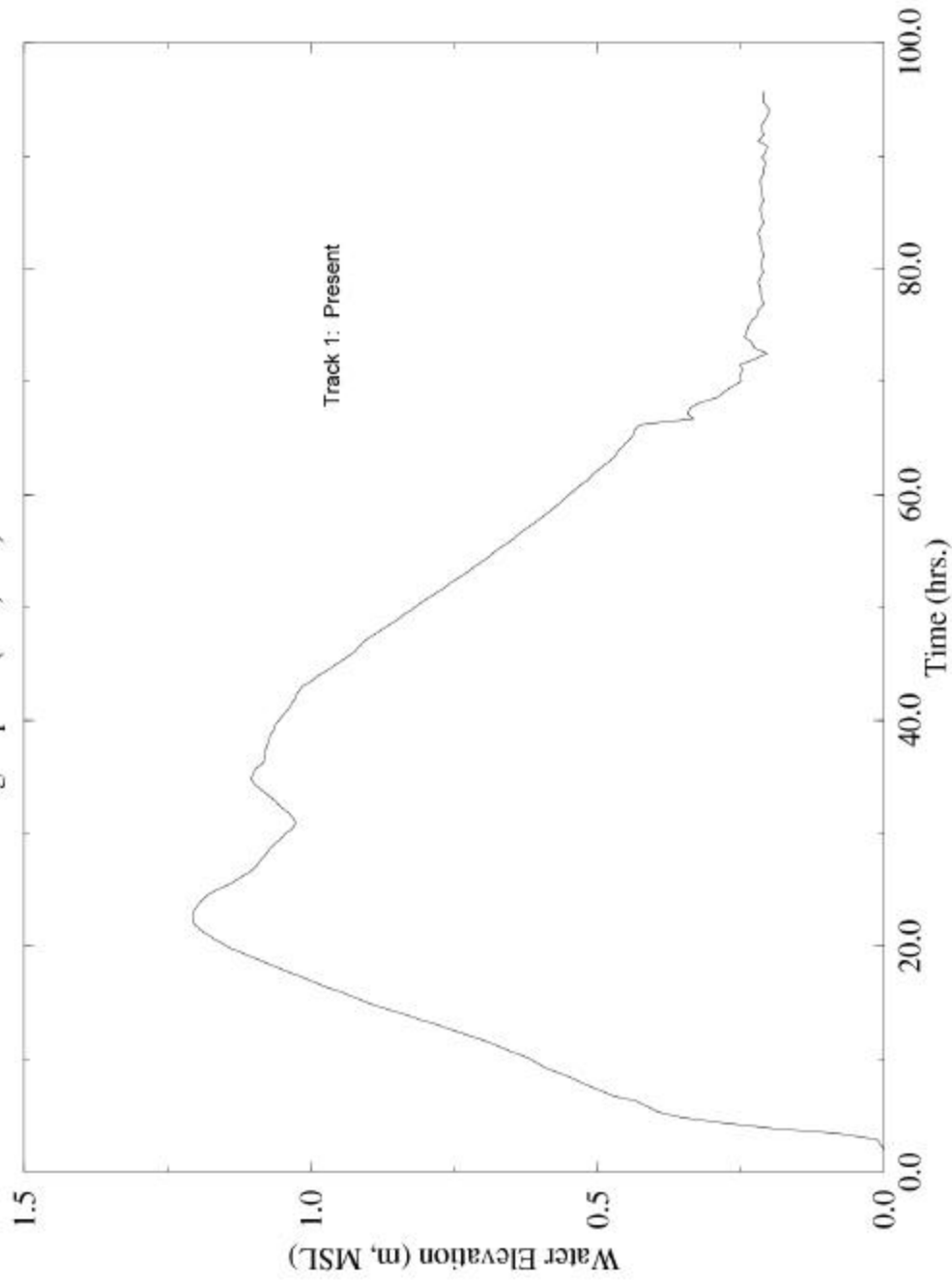


Figure 4-17b. Time Series Flood Elevation at Venice for Track 1 Hurricane (30-Year)
at grid point (213, 137) --- Venice

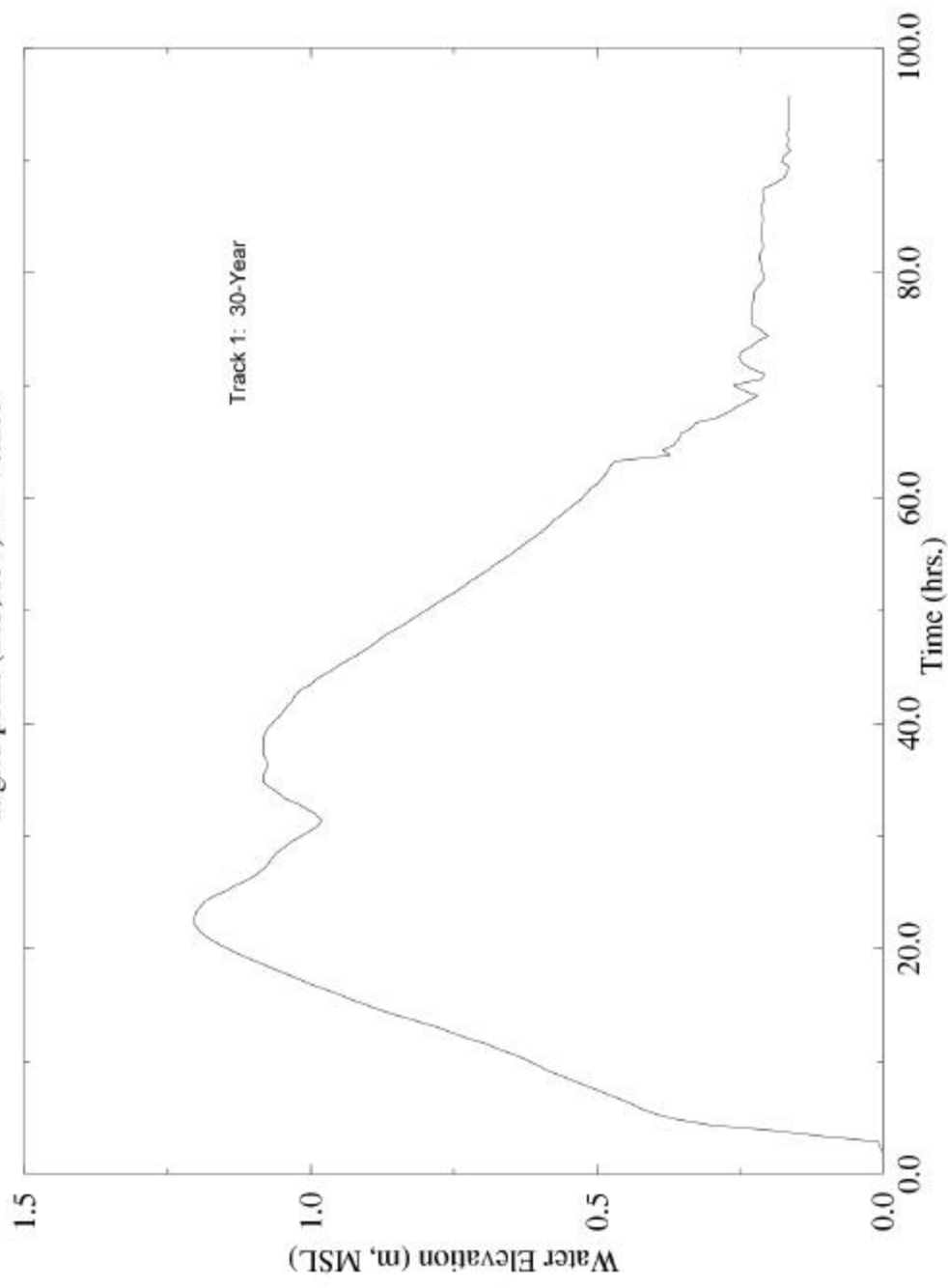


Figure 4-17c. Time Series Flood Elevation at Venice for Track 1 Hurricane (100-Year)
at grid point (213, 137) --- Venice

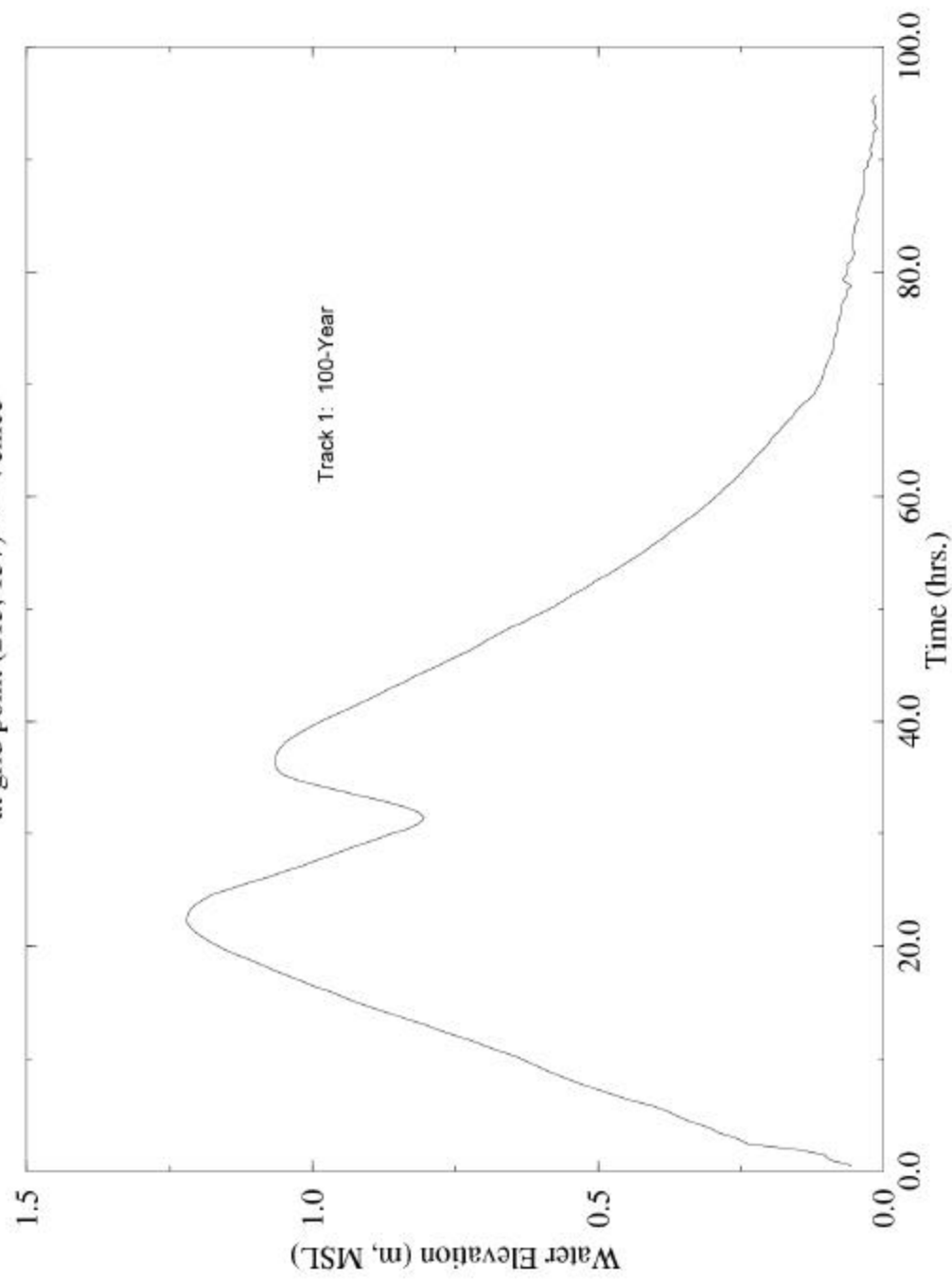


Figure 4-18a. Time Series Flood Elevation at Venice for Track 2 Hurricane (Present Conditions)
at grid point (213, 137) --- Venice

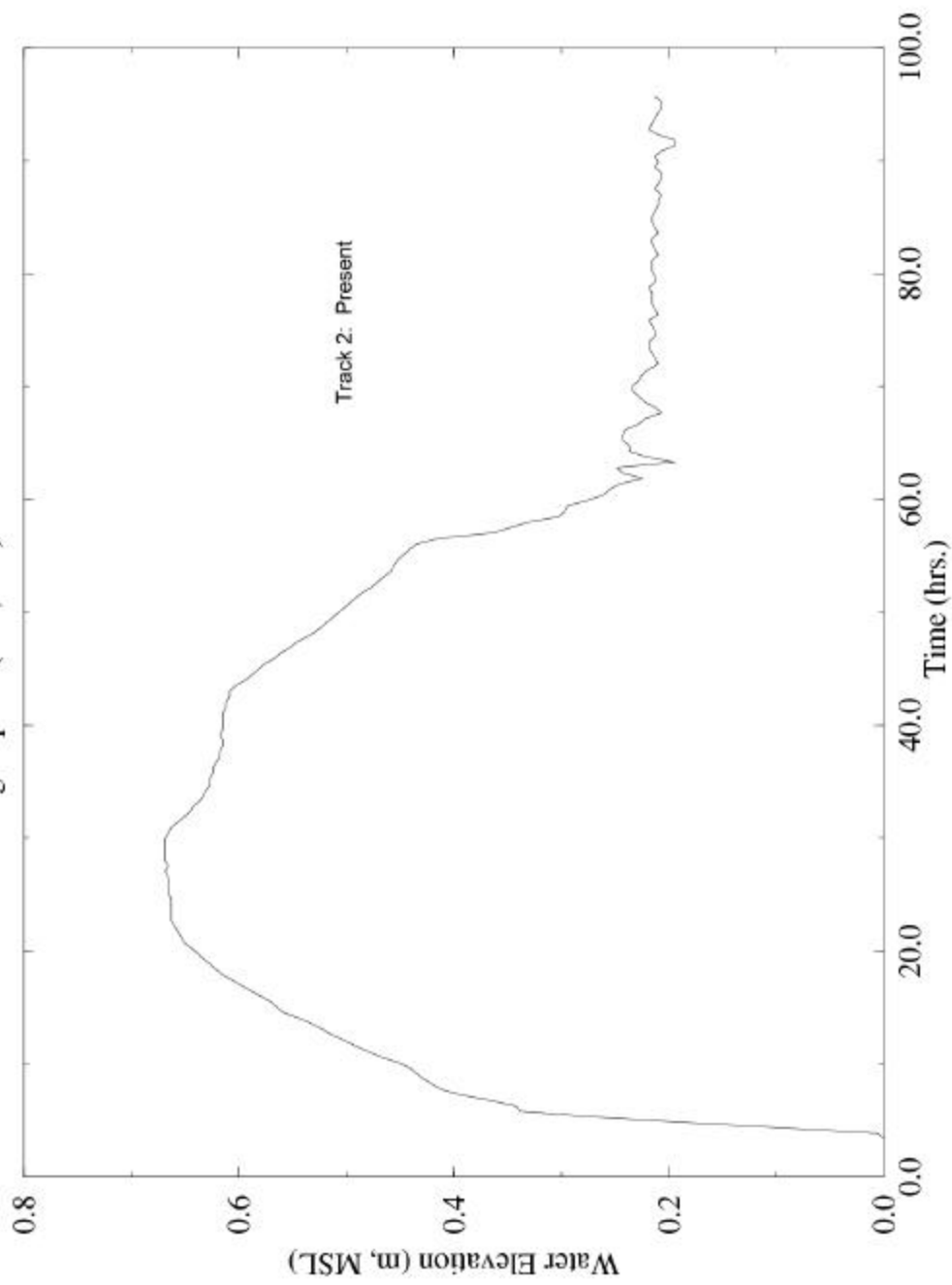


Figure 4-18b. Time Series Flood Elevation at Venice for Track 2 Hurricane (30-Year)
at grid point (213, 137) --- Venice

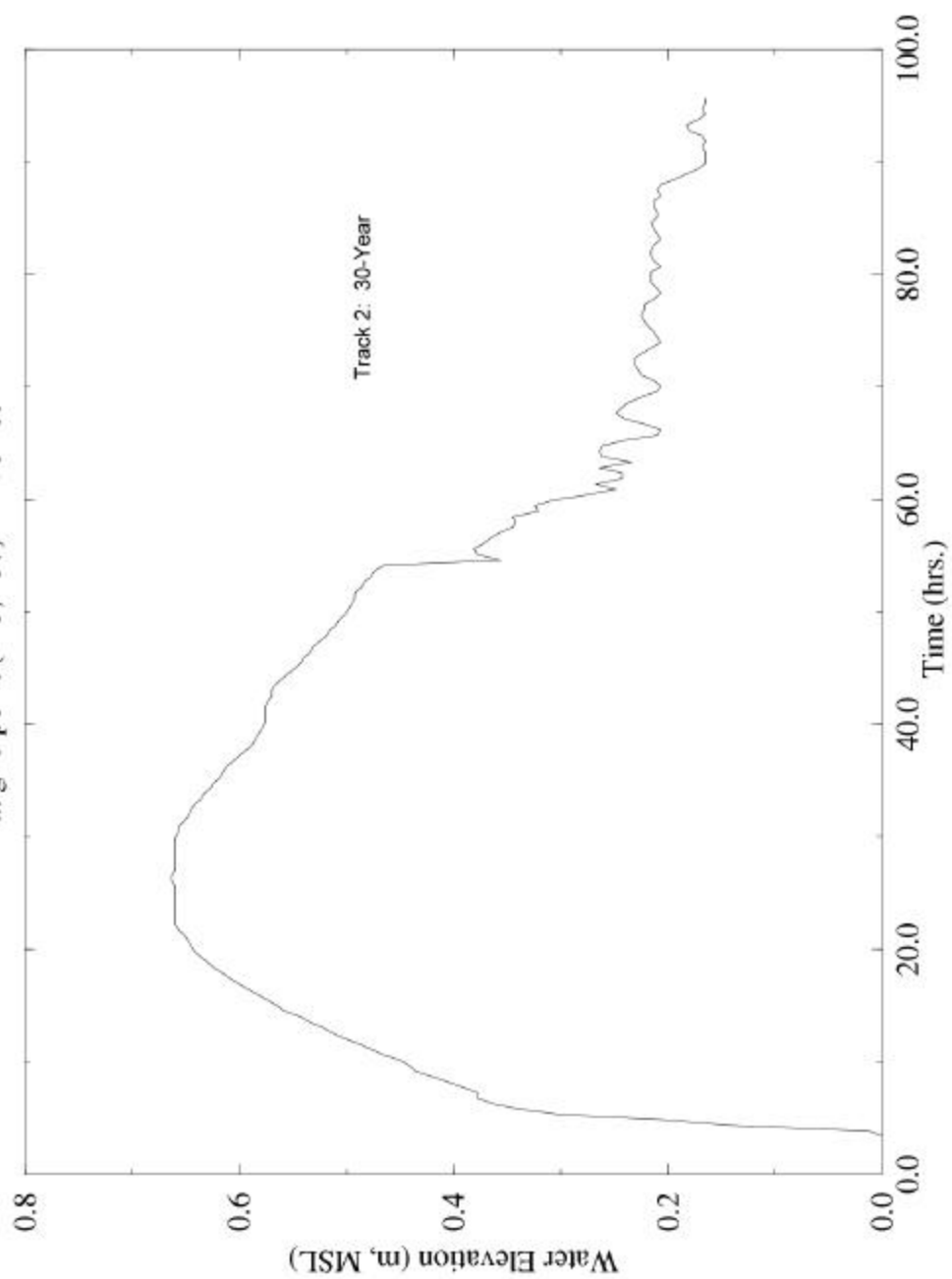


Figure 4-18c. Time Series Flood Elevation at Venice for Track 2 Hurricane (100-Year)
at grid point (213, 137) --- Venice

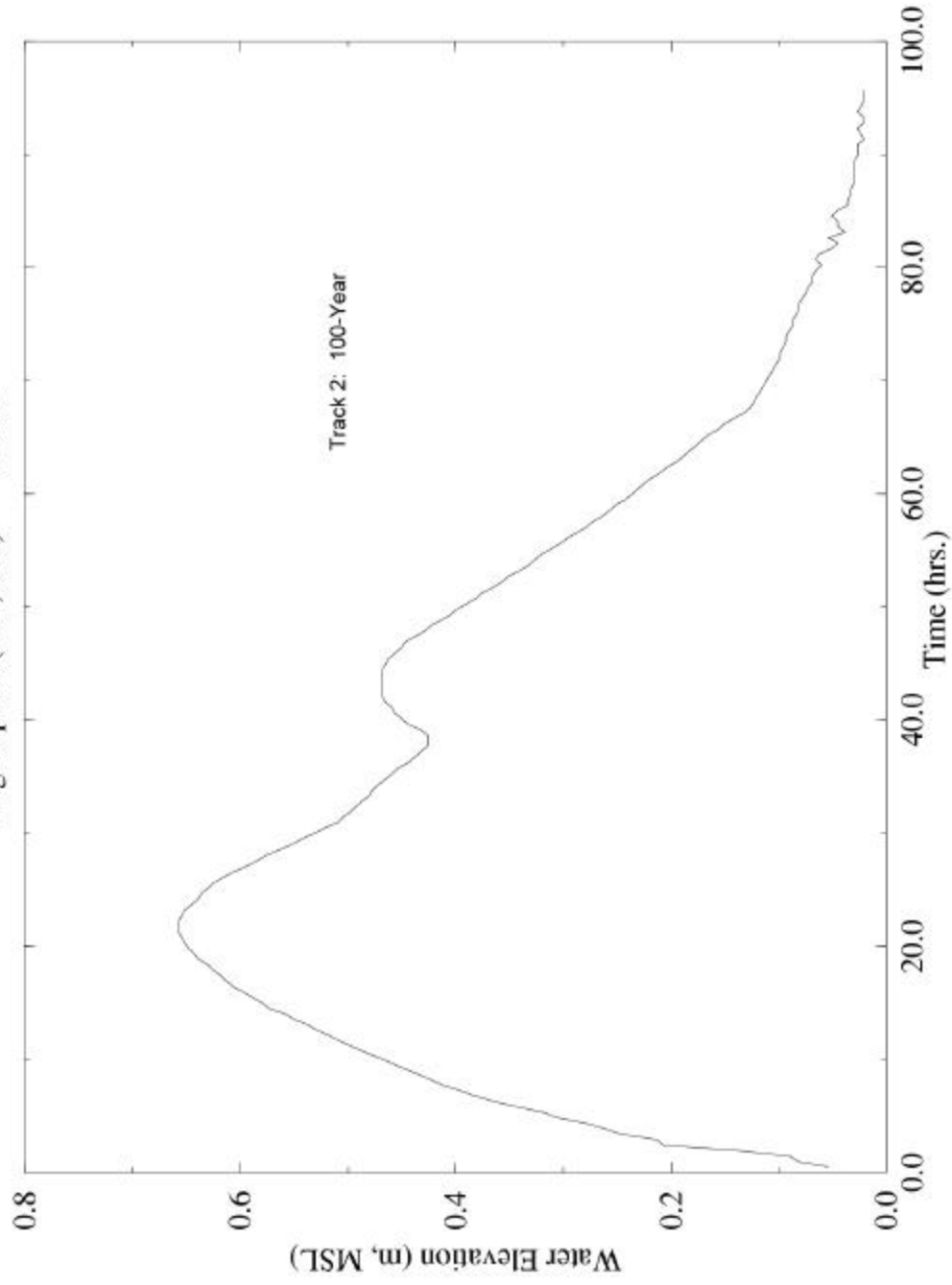


Figure 4-21. Maximum Water Level Elevation (Tides, Present)

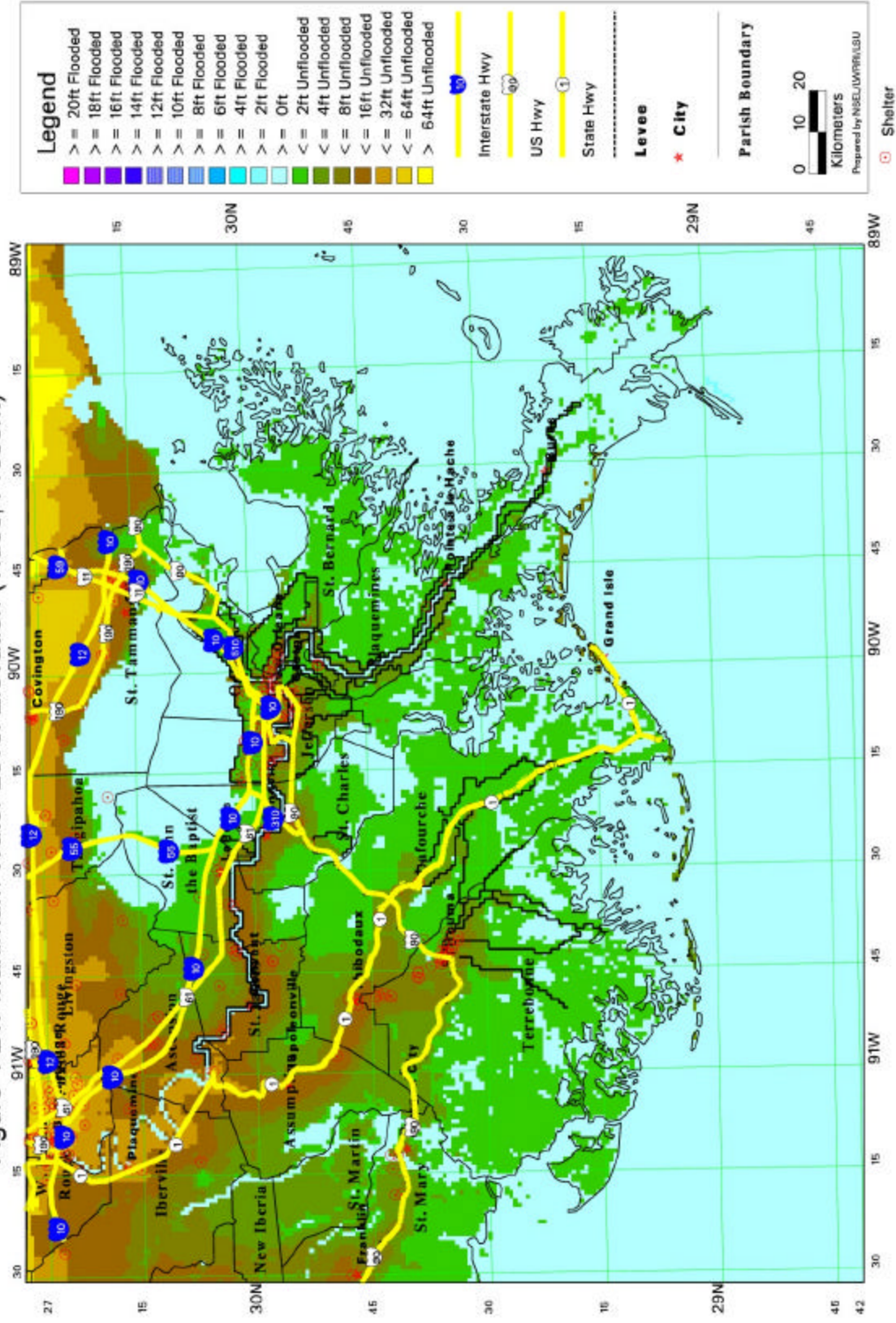


Figure 4-22a. Tidal Elevation Simulations (Present)
At St. Marys Point

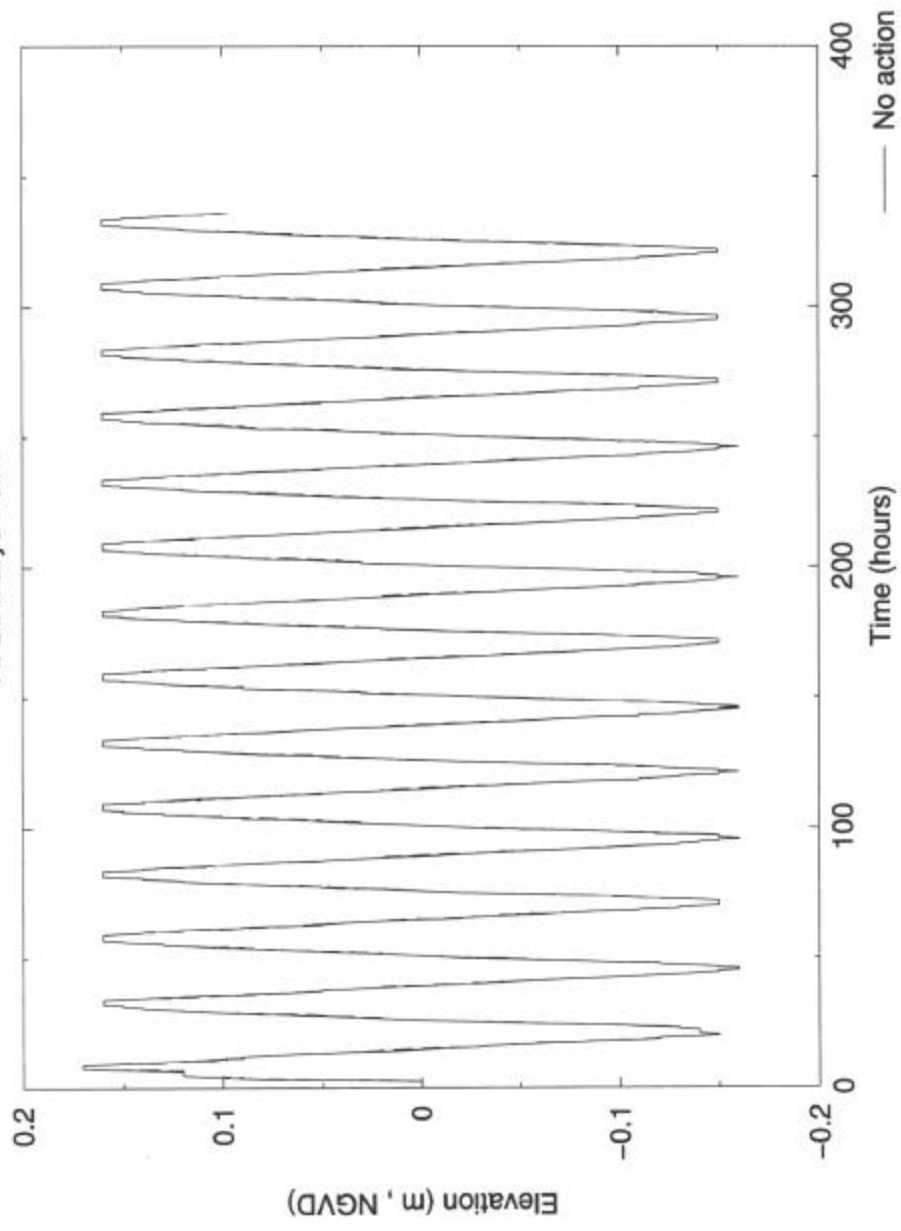


Figure 4-22b. Tidal Elevation Simulations (100-Year)
At St. Marys Point

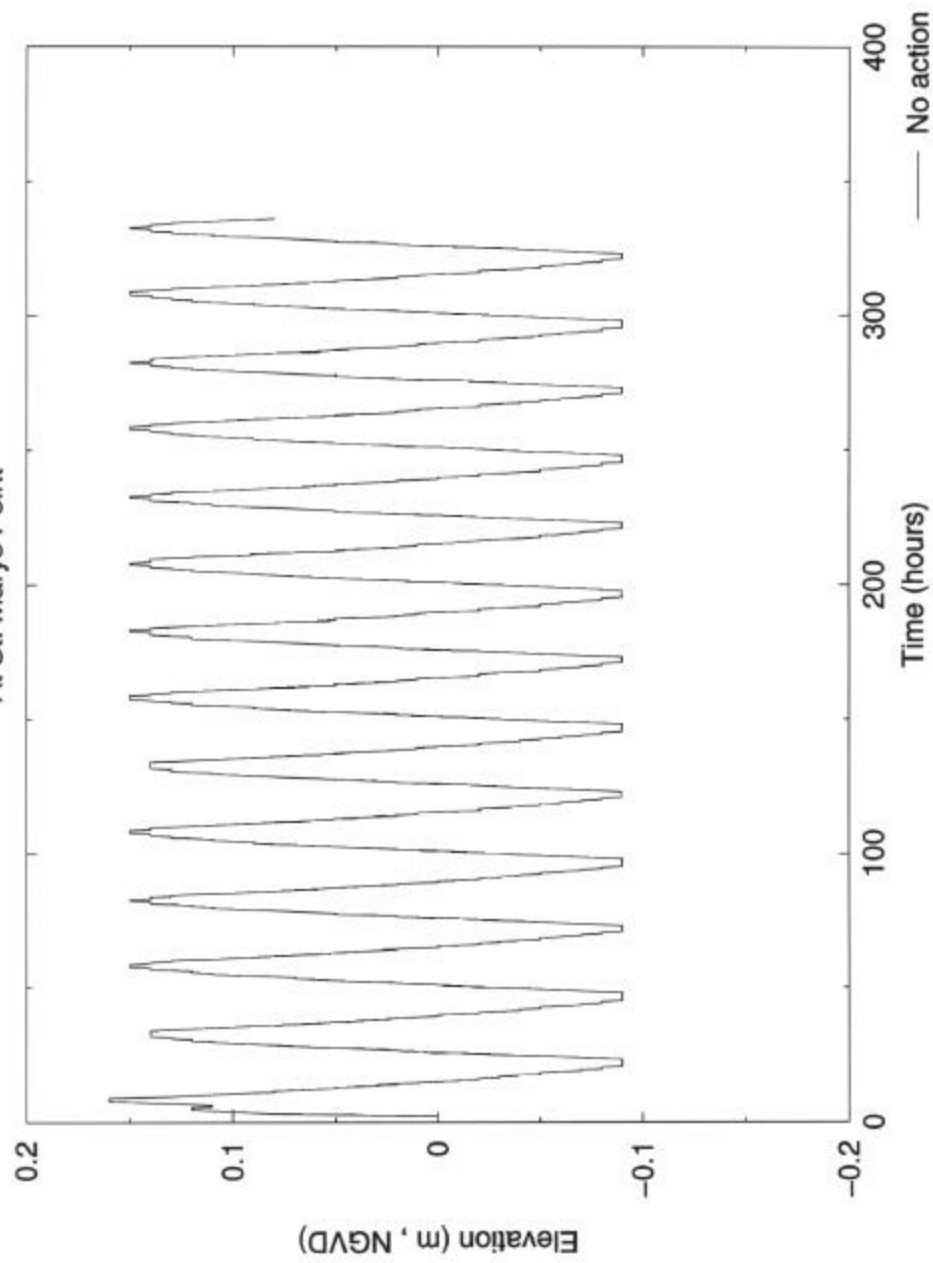


Figure 4-23b. Salinity Forecast for the Study Area (100-Year)

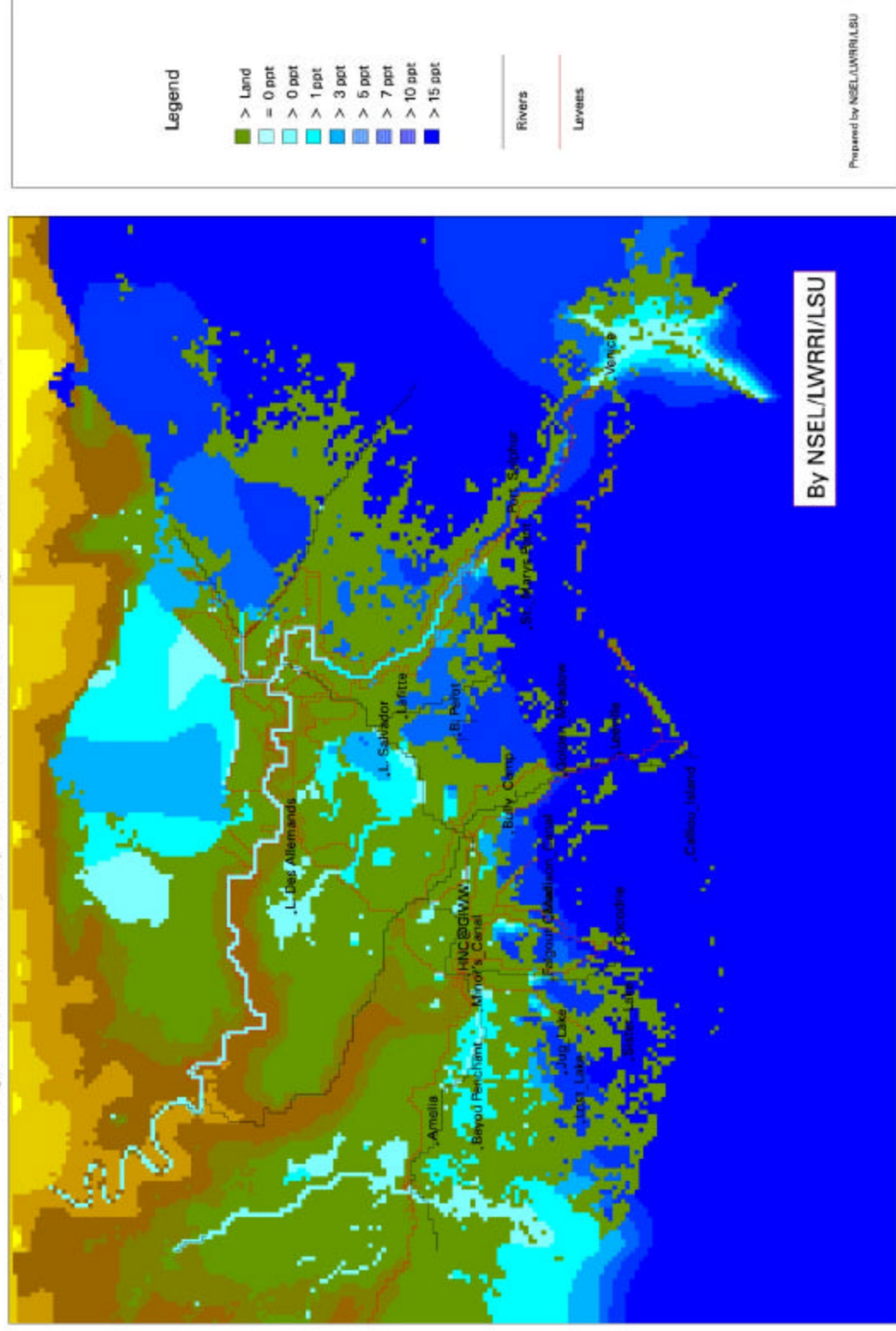


Fig. 4-24 Forecast of salinity at St. Mary's Point for present and 100 year conditions at the end of the simulation.

Salinity at St. Mary's Point

